

RANE MP2014 MIXER MANUAL



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 and 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 rackmounting, 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.
 19. This apparatus may be installed in an industry standard equipment rack. Use screws through all mounting holes to provide the best support.
- 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 a dangerous voltage constituting a risk of electric shock is present within this unit.



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

WARNING: This product may contain chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

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

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

CAUTION: Changes or modifications not expressly approved by Rane Corporation could void the user's authority to operate the equipment. CAN ICES-3 (B)/NMB-3(B)

Instructions de Sécurité



1. Lisez ces instructions.
2. Gardez précieusement ces instructions.
3. Respectez les avertissements.
4. Suivez toutes les instructions.
5. Ne pas utiliser près d'une source d'eau.
6. Ne nettoyer qu'avec un chiffon doux.
7. N'obstruer aucune évacuation d'air. Effectuez l'installation en suivant les instructions du fabricant.
8. Ne pas disposer près d'une source de chaleur, c-à-d tout appareil produisant de la chaleur sans exception.
9. Ne pas modifier le cordon d'alimentation. Un cordon polarisé possède 2 lames, l'une plus large que l'autre. Un cordon avec tresse de masse possède 2 lames plus une 3^e pour la terre. La lame large ou la tresse de masse assurent votre sécurité. Si le cordon fourni ne correspond pas à votre prise, contactez votre électricien.
10. Faites en sorte que le cordon ne soit pas piétiné, ni au niveau du fil, ni au niveau de ses broches, ni au niveau des connecteurs de vos appareils.
11. N'utilisez que des accessoires recommandés par Rane.
12. N'utilisez que les éléments de transport, stands, pieds ou tables spécifiés par le fabricant ou vendu avec l'appareil. Quand vous utilisez une valise de transport, prenez soin de vous déplacer avec cet équipement avec prudence afin d'éviter tout risque de blessure.
13. Débranchez cet appareil pendant un orage ou si vous ne l'utilisez pas pendant un certain temps.
14. Adressez-vous à du personnel qualifié pour tout service après vente. Celui-ci est nécessaire dans n'importe quel cas où l'appareil est abîmé : si le cordon ou les fiches sont endommagés, si du liquide a été renversé ou si des objets sont tombés sur l'appareil, si celui-ci a été exposé à la pluie ou l'humidité, s'il ne fonctionne pas correctement ou est tombé.
15. La fiche du cordon d'alimentation sert à brancher le courant alternatif AC et doit absolument rester accessible. Pour déconnecter totalement l'appareil du secteur, débranchez le câble d'alimentation de la prise secteur.
16. Cet appareil doit être branché à une prise terre avec protection.
17. Quand il est branché de manière permanente, un disjoncteur tripolaire normalisé doit être incorporé dans l'installation électrique de l'immeuble.
18. En cas de montage en rack, laissez un espace suffisant pour la ventilation. Vous pouvez disposer d'autres appareils au-dessus ou en-dessous de celui-ci, mais certains (tels que de gros amplificateurs) peuvent provoquer un buzz ou générer trop de chaleur au risque d'endommager votre appareil et dégrader ses performances.
19. Cet appareil peut-être installé dans une baie standard ou un châssis normalisé pour un montage en rack. Visser chaque trou de chaque oreille de rack pour une meilleure fixation et sécurité.

ATTENTION: afin d'éviter tout risque de feu ou de choc électrique, gardez cet appareil éloigné de toute source d'humidité et d'éclaboussures quelles qu'elles soient. L'appareil doit également être éloigné de tout objet possédant du liquide (boisson en bouteilles, vases,...).

ATTENTION



Afin d'éviter tout risque de choc électrique, ne pas ouvrir l'appareil. Aucune pièce ne peut être changée par l'utilisateur. Contactez un SAV qualifié pour toute intervention.

Les symboles ci-dessous sont reconnus internationalement comme prévenant tout risque électrique.



Ce symbole indique que cette unité utilise un voltage élevé constituant un risque de choc électrique.



Ce symbole indique la présence d'instructions d'utilisation et de maintenance importantes dans le document fourni.

REMARQUE: Cet équipement a été testé et approuvé conforme aux limites pour un appareil numérique de classe B, conformément au chapitre 15 des règles de la FCC. Ces limites sont établis pour fournir une protection raisonnable contre tout risque d'interférences et peuvent provoquer une énergie de radiofréquence s'il n'est pas installé et utilisé conformément aux instructions, peut également provoquer des interférences aux niveaux des équipements de communication. Cependant, il n'existe aucune garantie que de telles interférences ne se produiront pas dans une installation particulière. Si cet équipement provoque des interférences en réception radio ou télévision, ceci peut être détecté en mettant l'équipement sous/ hors tension, l'utilisateur est encouragé à essayer de corriger cette interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmenter la distance entre l'équipement et le récepteur.
- Connecter l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.
- Consulter un revendeur ou un technicien radio / TV expérimenté.

ATTENTION: Les changements ou modifications non expressément approuvés par Rane Corporation peuvent annuler l'autorité de l'utilisateur à manipuler cet équipement et rendre ainsi nulles toutes les conditions de garantie.

CAN ICES-3 (B)/NMB-3(B)



Cartons et papier à recycler.

Copyright Notices

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Check List

These items are included in the box:

- **MP2014 Mixer.**
- **1 USB cable.**
- **1 control panel install disc.**
- **IEC C5 line cord.**
- **This MP2014 Mixer Manual.**

Wear Parts

The MP2014 Mixer contains no wear parts. See "Limited Warranties" on page 23.

This product is engineered, manufactured and supported by Rane Corporation in Mukilteo, WA, USA, using globally sourced materials.

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MP2014 Overview

Highest quality user control surface

- Excellent control ergonomics with intuitive and comfortable layout.
- Potentiometers with exceptional feel and 1 million cycle life.
- Studio console grade backlit push switches.

Digital Signal Processing

- A/D and D/A dynamic range 116 dB A-weighted, THD+N 0.001%.
- All audio processing is 32-bit floating point with supported sample rates: 44.1 kHz, 48 kHz or 96 kHz.
- S/PDIF input for Session input with 128 dB dynamic range with ultra-low jitter and 16:1 SRC conversion range.
- S/PDIF Session output to record mix or chain mixers together without analog conversion.

Two USB ports allow simultaneous connection of two computers

- Each USB port supports 6 playback and 14 record channels.
 - Simultaneously play stereo tracks to Deck 1, Deck 2, and the USB Aux.
 - Simultaneously record 2 Decks as pre-fader, as post-fader, the Session Input, the Mic Input, and the Main mix.
- USB 2.0 high-speed class compliant MIDI and Audio
 - Driver installation is not required for Mac OS X.
 - High-performance universal ASIO driver is provided for Windows.
- Computer control panel supports additional options and status.

Analog I/O designed with attention to detail

- Accurate, low noise RIAA stages with 3rd-order Infrasonic (rumble) and 2nd-order low-pass filters.
- Transient voltage and EMI protection, turn-on muting and overload protection.
- 8 Vrms balanced outputs, 4 Vrms unbalanced I/O.

Two Deck inputs with these features:

- Select USB A, PH/CD, AUX or USB B input with Gain trim and RIAA Phono sensitivity.
 - Deck 1 USB playback channels 1-2
 - Deck 2 USB playback channels 3-4
- 3-band full-cut EQ with 2 selectable crossover points: Linkwitz-Riley 2nd-order
- 4th-Order selectable Low-pass, Low/High-pass, or High-pass filter with Mode, Resonance and on/off controls.
- Effects Loop send to an external processor, returned to the Main Mix.
- Main Mix Level control, Headphone Cue, 16-segment Q-peak meter with Peak-hold.

Session Input with Level control

- Source may be unbalanced RCA, S/PDIF or USB AUX playback channels 5-6.

Microphone input with Mic / Line-level switch

- Combo XLR and 1/4" TRS input jack.
- May be used directly with a mic, or a line-level (wireless) input.
- Input Level control, 1-knob Tone control, on/off switch and music Duck controls.

High performance Integrated Isolator EQ

- 4th-order Linkwitz-Riley 3-band Isolator with adjustable crossover points; exceptionally smooth.

Main Mix with 16-segment stereo Meter

- Balanced XLR Main Output with Level control.
- Balanced 1/4" TRS Booth Output with Level control.
- Session Output with Level control.
 - S/PDIF output for digital recording or chaining mixers together.
 - Unbalanced RCA analog outputs.

Headphone monitor

- Level Control, Cue/Main Pan, Mono Split or Stereo Cue.
- Conveniently located 3.5 mm and 1/4" jacks on the front panel and another 1/4" jack on the top plate.

USB Record outputs:

- USB record channels 1-2: Deck 1 pre-fader (for DVS).
- USB record channels 3-4: Deck 2 pre-fader (for DVS).
- USB record channels 5-6: Main Mix.
- USB record channels 7-8: Deck 1 post-fader (for DAW or archiving).
- USB record channels 9-10: Deck 2 post-fader (for DAW or archiving).
- USB record channels 11-12: Session In.
- USB record channels 13-14: Mic In.

0 dB

LOW

225

135 380

80 640

CROSSOVER

0 dB

MID

2.8k

1.7k 4.75k

1.0k 8.0k

CROSSOVER

0 dB

HIGH

ISO

ACTIVE

4 5 6 7 8 9 10

3 2 1 0

SESSION OUT

PH/CD 1 AUX 1

1A 1B

SOURCE

RANE

MP2014

PH/CD 2 AUX 2

2A 2B

SOURCE

4 5 6 7 8 9 10

3 2 1 0

MAIN

DUCK ON OFF

MIC

4 5 6 7 8 9 10

3 2 1 0

GAIN

FX

BASS TREBLE

TONE

I

4 5 6 7 8 9 10

3 2 1 0

GAIN

<input type="checkbox"/>	OL	<input type="checkbox"/>	OL
<input type="checkbox"/>	+10	<input type="checkbox"/>	+10
<input type="checkbox"/>	+7	<input type="checkbox"/>	+7
<input type="checkbox"/>	+5	<input type="checkbox"/>	+5
<input type="checkbox"/>	+3	<input type="checkbox"/>	+3
<input type="checkbox"/>	+2	<input type="checkbox"/>	+2
<input type="checkbox"/>	+1	<input type="checkbox"/>	+1
<input type="checkbox"/>	0	<input type="checkbox"/>	0
<input type="checkbox"/>	-1	<input type="checkbox"/>	-1
<input type="checkbox"/>	-2	<input type="checkbox"/>	-2
<input type="checkbox"/>	-3	<input type="checkbox"/>	-3
<input type="checkbox"/>	-5	<input type="checkbox"/>	-5
<input type="checkbox"/>	-7	<input type="checkbox"/>	-7
<input type="checkbox"/>	-10	<input type="checkbox"/>	-10
<input type="checkbox"/>	-15	<input type="checkbox"/>	-15
<input type="checkbox"/>	-24	<input type="checkbox"/>	-24

II

4 5 6 7 8 9 10

3 2 1 0

GAIN

LEFT		RIGHT	
<input type="checkbox"/>	OL	<input type="checkbox"/>	OL
<input type="checkbox"/>	+10	<input type="checkbox"/>	+10
<input type="checkbox"/>	+7	<input type="checkbox"/>	+7
<input type="checkbox"/>	+5	<input type="checkbox"/>	+5
<input type="checkbox"/>	+3	<input type="checkbox"/>	+3
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<input type="checkbox"/>	-5	<input type="checkbox"/>	-5
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<input type="checkbox"/>	-10	<input type="checkbox"/>	-10
<input type="checkbox"/>	-15	<input type="checkbox"/>	-15
<input type="checkbox"/>	-24	<input type="checkbox"/>	-24

AUX

CUE

4 5 6 7 8 9 10

3 2 1 0

SESSION IN

HIGH

OFF +6

HIGH

OFF +6

MID

OFF +6

MID

OFF +6

LOW

OFF +6

LOW

OFF +6

HP L-H LP

FILTER

HP L-H LP

FILTER

LOW HIGH

RESONANCE

HP L-H LP

FILTER

PHONES

MAIN SPLIT NORM

CUE PAN MIX



4 5 6 7 8 9 10

3 2 1 0

MIX I

CUE

4 5 6 7 8 9 10

3 2 1 0

MIX II

CUE

4 5 6 7 8 9 10

3 2 1 0

LEVEL

Connections

Mixer Inputs

- One stereo Phono / CD input is provided for each Deck channel on a red and white pair of RCA jacks. Set each channel to PH or CD using the rear panel slide switches. Connect your turntable ground wires to the rear panel ground posts.
 - Computer control panel: Phono Sensitivity adjustment will match source levels. See "Control Panel" on page 14.
- One stereo line-level AUX input is provided for each of the two Deck channels on a red and white pair of RCA jacks. An AUX input can be from a CD deck, electronic instrument, or other consumer audio device.
- One stereo Session Input is available as analog on a pair of red and white RCA jacks, or digitally using the orange S/PDIF jack. Select the input type with the LINE - S/PDIF switch. Use this input to connect two mixers together. Using S/PDIF Session Input with another mixer's S/PDIF Session Output can digitally link mixers without converting to analog.
 - This input may also be an auxiliary 3rd channel line input, with it's own sweep Filter, headphone Cue and Level.
- The balanced microphone input on a combination TRS / XLR jack can be switched to:
 - LINE level for the output of a wireless mic receiver.
 - MIC level for a regular dynamic microphone. The MP2014 does not supply phantom power.
- External FX Loop Return stereo input is on a pair of unbalanced RCA jacks. The FX Return input is normally used in combination with the FX Loop Send output to connect an outboard effects processor.

Mixer Outputs

All of these outputs carry the same Main mix, each with its own Level control:

- MAIN Output is on a pair of balanced XLR jacks.
 - The control panel has a mono option and clean feed option for the Main Output. See "General Tab" on page 14.
- BOOTH Output is on a pair of balanced 1/4" TRS jacks.
- SESSION Out is on a pair of unbalanced RCA jacks, and digitally via S/PDIF on an RCA jack.

The FX Loop Send output is from a pair of unbalanced RCA jacks. The FlexFX Send output is normally used in combination with the FlexFX Loop Return input to connect the Deck and Mic Inputs to outboard analog effects.

- The SEND output level can be switched to -10 (for unbalanced devices) or +4 (for balanced devices).

Cabling Note: When using unbalanced 1/4" tip-sleeve cables from the Booth Outputs, or RCA cables from the analog Session Outputs, keep cables short, less than 3 meters (10 feet) to avoid hum and interference. Balanced 1/4" TRS or XLR cables are the best choice, allowing greater distance runs without problems.

Two USB Ports

The MP2014 allows simultaneous connection of two computers, each port completely independent. The USB ports are 100% class compliant, allowing hook-up to Mac OS X without the need for an additional driver. A high-performance ASIO driver connects the audio in most Windows DAW and DJ software. MIDI end points are class compliant with both OS X and Windows devices. Connect either port to a single computer. See "Class Compliant USB Ports" on page 14.

Power Supply

The MP2014 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). All that is required for the traveling DJ is the appropriate 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.



Input Channels

Source Selectors

The source selectors choose the active USB port, USB audio slot or analog input for each input channel. To use USB playback you must assign the USB slots in your DJ or DAW software preferences panel.

Channel 1 Source Selections	Channel 2 Source Selections	USB AUX / Session In
<ul style="list-style-type: none"> • Port A playback for Deck 1 • USB audio slots 1-2. • Routes audio and MIDI for Deck 1 only to/from USB Port A. 	<ul style="list-style-type: none"> • Port A playback for Deck 2 • USB audio slots 3-4. • Routes audio and MIDI for Deck 2 only to/from USB Port A. 	<p><i>Switch in the up position.</i></p> <ul style="list-style-type: none"> • AUX playback • USB audio slots 5-6, both ports. • AUX audio is summed from USB Port A and Port B.
<ul style="list-style-type: none"> • Phono / CD 1 • Set the PH-CD rear panel switch. 	<ul style="list-style-type: none"> • Phono / CD 2 • Set the PH-CD rear panel switch. 	
<ul style="list-style-type: none"> • Aux Input 1 	<ul style="list-style-type: none"> • Aux Input 2 	<p><i>Switch in the down position.</i></p> <ul style="list-style-type: none"> • Session In line-level or S/PDIF inputs.
<ul style="list-style-type: none"> • Port B playback for Deck 1 • USB audio slots 1-2. • Routes audio and MIDI for Deck 1 only to/from USB Port B. 	<ul style="list-style-type: none"> • Port B playback for Deck 2 • USB audio slots 3-4. • Routes audio and MIDI for Deck 2 only to/from USB Port B. 	

To share the MP2014 with a second computer, see "DJ Changeover" on page 13.

Deck Source Selection is followed by:

- **GAIN trim:** Off to +15 dB with unity gain (equal in and out) at 12 o'clock.
- **3-band HIGH / MID / LOW tone controls**
 - Off to +6 dB with unity gain at 12 o'clock.
 - Linkwitz-Riley 2nd-order isolator full-cut filters (LR-2).
 - Crossover points for Low/Mid and Mid/High default at 300 Hz between Low and Mid, 3 kHz between Mid and High. This can be changed in the "Control Panel" on page 14.
- **High-Pass / Low-High-Pass / Low-Pass Sweep FILTER** (button is lit green when active)
 - LP: Low-pass filter cutoff moves from 20 kHz toward 20 Hz as the knob is turned CCW.
 - HP: High-pass filter cutoff moves from 20 Hz toward 20 kHz as the knob is turned CW.
 - L-H: In Low-High mode, there is no effect at the center (flat response).
 - Low-pass increases CCW from the center, and High-pass increases CW from the center.
 - Resonance can be adjusted for all Sweep Filters with the central RESONANCE control.
- **CUE select** (button is lit yellow when active): Assigns an input to the headphone monitor.
- **FX select** (button is lit blue when active): Assigns an input to the external effects send.
- **Q-peak meter** with peak hold: Adjust the GAIN trim to get the signal into the yellow during peaks, and to prevent overload.
- **MIX control:** Adjusts the channel level feeding the "post" USB record outputs and the Main mix.



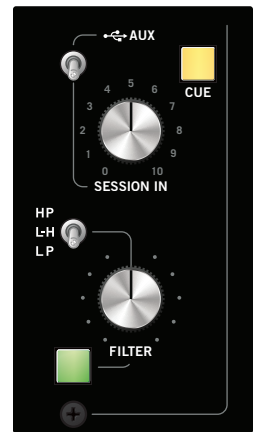
Session Input

Session input sources may be analog line RCA, digital S/PDIF, or USB audio channels 5/6. Session input can independently mix in an additional stereo source, or use in conjunction with Session Out to chain mixers together.

Connect any line-level device (e.g., CD player, another mixer, keyboard, phone, etc.) to the Session In RCA white and red jacks. The orange S/PDIF input connects a digital device (e.g., a CDJ 2000 or another MP2014 or MP2015 mixer) using a single coax RCA cable. The switch above the jacks selects the orange S/PDIF input or the red/white line-level inputs as a source. Alternatively, USB Aux audio channels 5/6 can be the Session input source by flipping the toggle switch up next to the Session In level control.

To play audio from a device plugged into the RCA or S/PDIF Session Inputs, set the USB AUX toggle switch to SESSION IN (down position). To play audio from USB audio channels 5/6 set the USB AUX switch to USB AUX (up position). To use USB AUX playback, you must assign USB channels 5/6 to tracks in your DJ or DAW software preferences panel. Playback from both USB Ports A and B on channels 5/6 are mixed together.

The Session Input is available for recording on USB record channels 11-12.



Session Output

Session Output is available on analog line-level RCA white and red jacks, and an orange digital S/PDIF jack. Use these outputs in combination with the Session Input when chaining mixers together, for an auxiliary zone output, or for external digital S/PDIF main mix recording. Both analog and digital outputs are active at the same time.

Note: Using S/PDIF provides better sound and higher performance when connecting an available S/PDIF source like an equipped CDJ or another mixer.

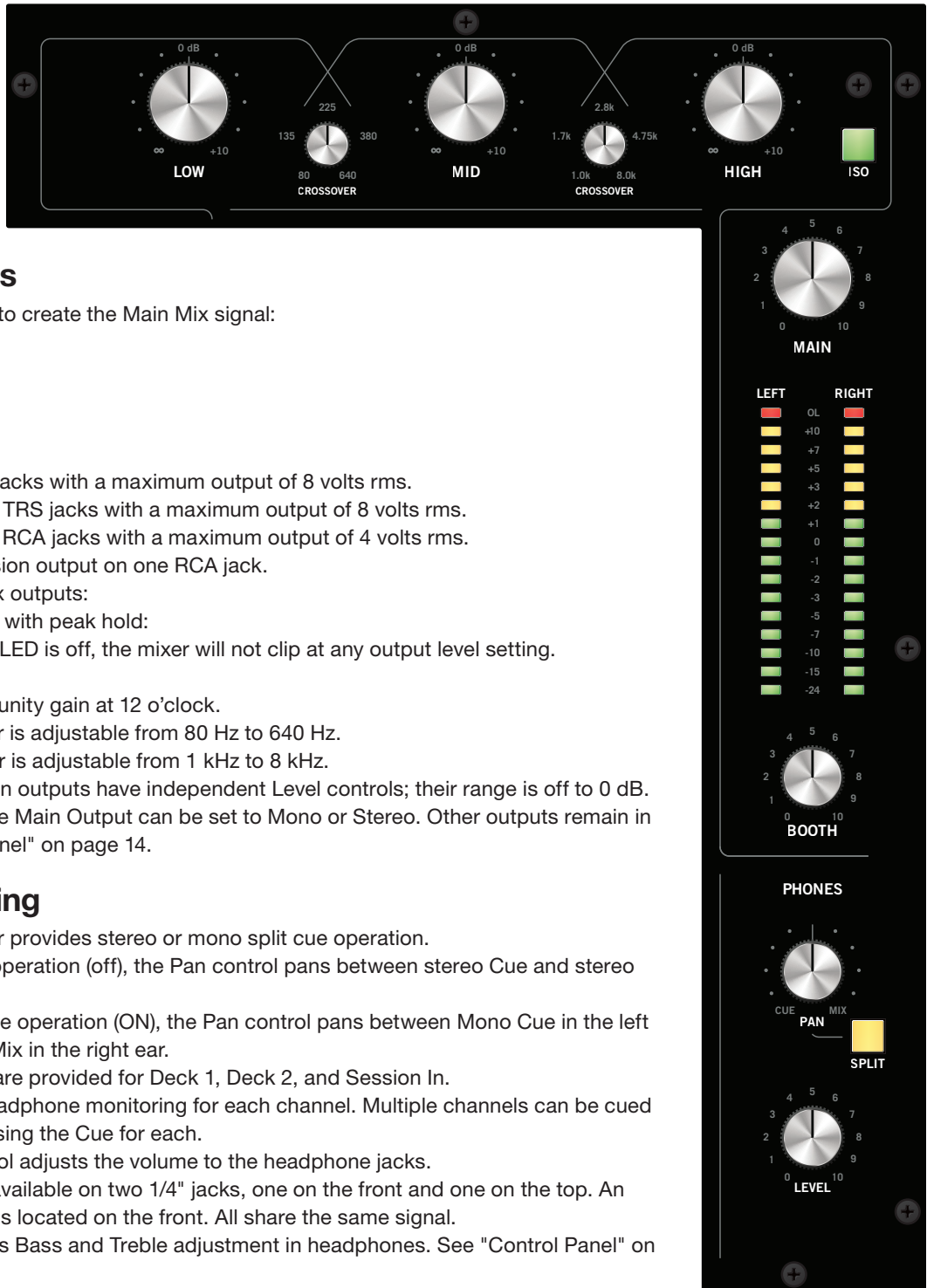
The Session Out control affects the level of audio output on the Session Out RCA jacks and the S/PDIF jack.



Microphone Input

The mic input has these controls:

- On / Off switch turns the mic on or off.
- Duck momentarily turns down the other inputs by 10 dB (by about 1/3).
- Gain control sets the mic level.
- One-knob spectral tilt Tone control:
 - Increasing Treble reduces Bass by the same amount.
 - Decreasing Treble increases Bass by the same amount.
- A rear panel switch has two positions for different mic types:
 - Line level accepts the output from a wireless mic receiver.
 - Mic level is suitable for a dynamic mic.
- Control panel option: with Clean Feed selected, the Mic signal is sent directly to the Main Out and is not present in the USB Main Record, Booth Out or Session Out. See "Control Panel" on page 14.
- The Mic Input is available for recording on USB record channels 13-14.



Main Mix Outputs

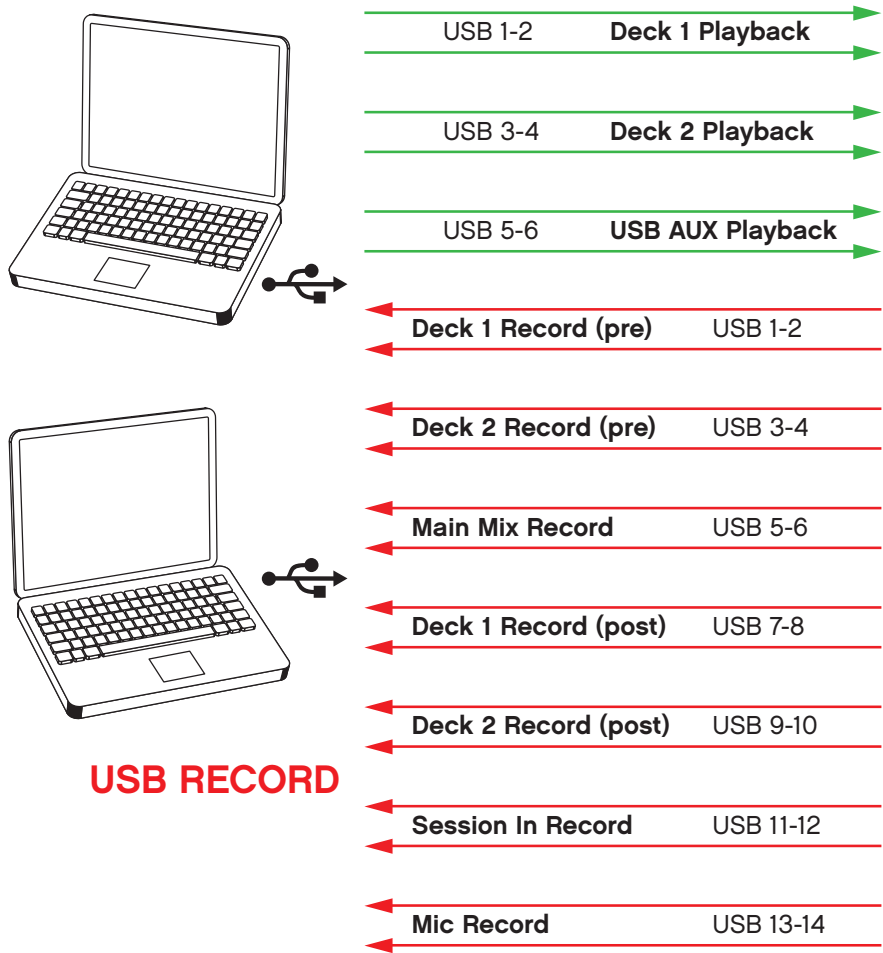
- These signals combine to create the Main Mix signal:
 - Decks 1 and 2.
 - Session In.
 - FX Return.
 - Mic.
- Main Mix outputs are:
 - Main: balanced XLR jacks with a maximum output of 8 volts rms.
 - Booth: balanced 1/4" TRS jacks with a maximum output of 8 volts rms.
 - Session: unbalanced RCA jacks with a maximum output of 4 volts rms.
 - S/PDIF digital session output on one RCA jack.
- Common to all Main Mix outputs:
 - Stereo Q-peak meter with peak hold:
 - If the red overload LED is off, the mixer will not clip at any output level setting.
 - Main Output Isolator:
 - Off to +10 dB with unity gain at 12 o'clock.
 - Low-mid crossover is adjustable from 80 Hz to 640 Hz.
 - Mid-high crossover is adjustable from 1 kHz to 8 kHz.
- Main, Booth and Session outputs have independent Level controls; their range is off to 0 dB.
- Control panel option: the Main Output can be set to Mono or Stereo. Other outputs remain in stereo. See "Control Panel" on page 14.

Headphone Cueing

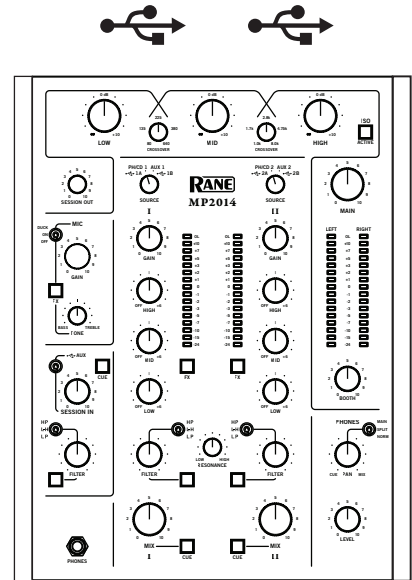
- The Headphone monitor provides stereo or mono split cue operation.
 - When set for stereo operation (off), the Pan control pans between stereo Cue and stereo Main Mix.
 - When set for Split Cue operation (ON), the Pan control pans between Mono Cue in the left ear and mono Main Mix in the right ear.
- Individual Cue buttons are provided for Deck 1, Deck 2, and Session In.
- Cue buttons engage headphone monitoring for each channel. Multiple channels can be cued simultaneously by pressing the Cue for each.
- The Phones Level control adjusts the volume to the headphone jacks.
- Headphones output is available on two 1/4" jacks, one on the front and one on the top. An additional 3.5 mm jack is located on the front. All share the same signal.
- The Control Panel allows Bass and Treble adjustment in headphones. See "Control Panel" on page 14.

USB Audio

There are five stereo record channels and three stereo playback channels. These channels are available on two USB ports, allowing two computers to share the mixer. This allows two DJs to play together, and supports uninterrupted transitions between them by simply changing one of the mixer input sources. USB audio is 24-bit PCM with a sample rate of 44.1, 48 or 96 kHz. Sample rate and USB slot assignments are made in the preferences screen in your DJ or DAW software. You can simultaneously record both Deck channels as pre-Mix control (for DVS) and post-Mix playback, and record the Main Mix output through USB audio channels. Multitrack recording allows you to “fix” a recording in the studio.



USB PLAYBACK



x2 USB Ports

USB Playback Channels Assignment

Deck 1 Playback	Deck 2 Playback	Session In USB Playback
In USB audio playback slots 1-2.	In USB audio playback slots 3-4.	In USB audio playback slots 5-6.
Routed from either USB A or USB B depending on the Input source selection.		Sum of USB A and USB B.

USB Record Channel Assignment (Broadcast to both USB A and USB B at all times).

Deck 1 Record (Pre)	Deck 2 Record (Pre)	Main Mix Record	Deck 1 Record (Post)	Deck 2 Record (Post)	Session In Record	Mic Input Record
In USB audio record slots 1-2.	In USB audio record slots 3-4.	In USB audio record slots 5-6.	In USB audio record slots 7-8.	In USB audio record slots 9-10.	In USB audio record slots 11-12.	In USB audio record slots 13-14.
Use "Pre" with DVS software.			Use "Post" for multi-track recording (uses Mix controls).			

DJ Changeover

One of the biggest challenges of digital DJing has been seamlessly changing over from one DJ to the next and playing back-to-back DJ sets. With the dual USB architecture of the MP2014 mixer, changeover between digital DJs has never been easier.

Deck Changeover Controls

At the top of each input channel is the Source selector to switch input sources. If your computer is connected to USB port A, switch a channel Source knob to USB A, and the mixer assigns the corresponding virtual deck to that channel for audio playback. For example, assigning both channels to USB 1A-2A assigns both virtual decks to the computer connected to USB port A.

The same applies to USB port B. If your computer is connected to USB port B, switching a channel Source Select knob to USB B, assigns the corresponding virtual deck to that channel for audio playback.

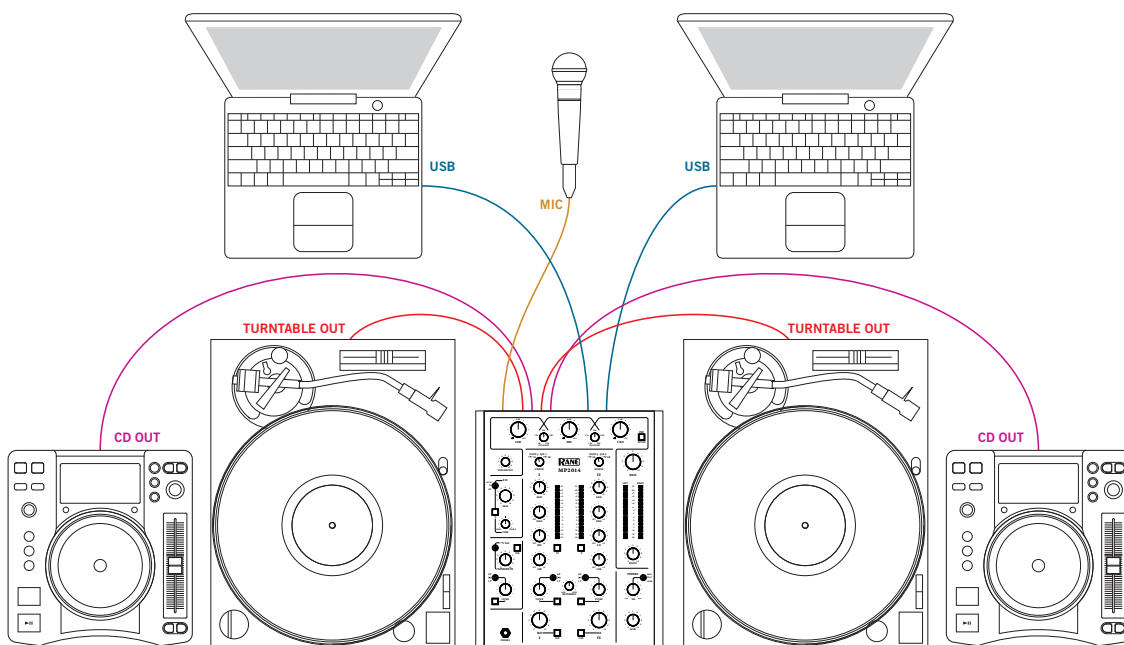
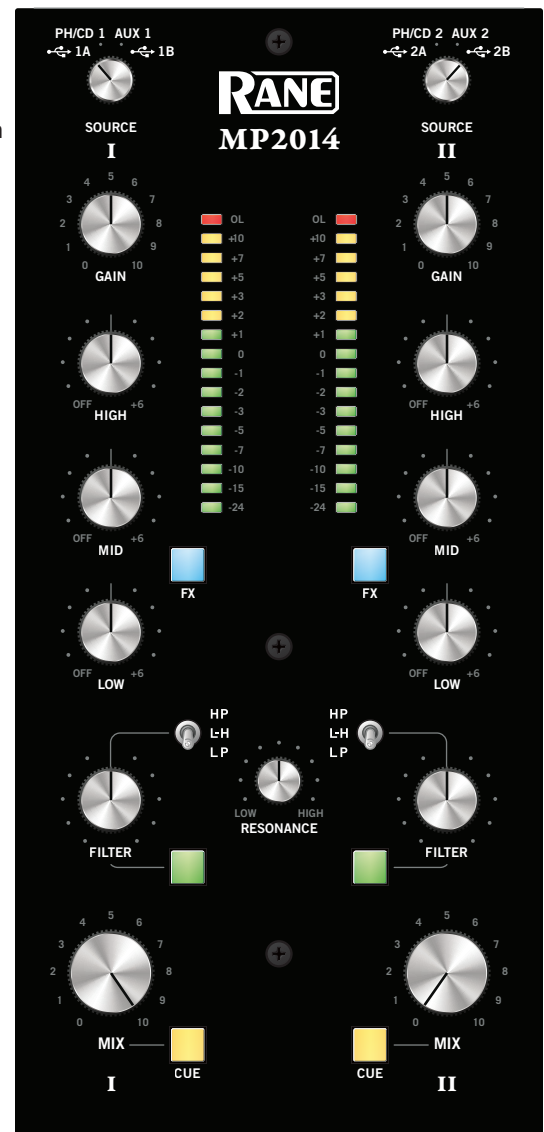
When two DJs are connected to the MP2014, they can quickly swap deck control between computers just using the Source select knobs.

The DJ Changeover Walkthrough

In the scenario below, one DJ, let's call him DJ A, is already connected to the MP2014 using either USB port A or B. With DJ A's computer already connected and playing music, do the following:

1. Connect your computer to the unused USB port on the MP2014.
2. Switch the Input Source on the other non-playing input channel to the USB source of your computer.
3. Play a track on this Deck and mix it in when you're ready — audio from both computers are in the mix.
4. Fade out the audio playing from DJ A's computer to the audio playing from your computer.
5. Assign the Input Source for the remaining free mixer channel(s) to your computer and continue DJing.

When DJ A is done, disconnect his computer from the USB port. If you're back-to-back mixing with DJ A, keep the computer connected and perform the same swapping instructions to regain deck control.



Class Compliant USB Ports

The USB ports are 100% class compliant, connecting to Mac OS X without the need for an additional driver. A high-performance ASIO driver runs most Windows DAW and DJ software. MIDI end points are class compliant with both OS X and Windows devices. Mac and Windows Control Panel installers with additional mixer settings are included on the CD-ROM with the MP2014, and current versions available from the Downloads link in the MP2014 page at dj.rane.com.

ASIO (Windows)

A low-latency ASIO driver interfaces with most DJ and DAW audio software applications on Windows operating systems. Multi-client ASIO allows different audio software applications to simultaneously stream audio to and from the MP2014. 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. ASIO driver and Rane Control Panel system requires Windows 7-SP1, 8.1, or 10. The driver Control Panel may be launched from the Windows Control Panel. Select Start > Control Panel > Rane Products.

Core Audio (Macintosh)

No driver installation is required. Connect the MP2014 to a Mac running OSX, and the MP2014 inputs and outputs become available in your audio program. Install the Rane control panel to provide additional setting as described below.

Control Panel

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 MP2014 Mixer, it's saved settings override your previous Control Panel settings.

NOTE: The Rane Control Panel and Firmware may be updated with new features over time. To get the most from your MP2014, occasionally check the Downloads link in the MP2014 page at dj.rane.com.

Settings

The MP2014 allows you to save and export settings. You can load your preferences when using a different MP2014 than your own, or putting things back after another DJ has used your mixer.

Once you have set control panel preferences, click **Export** to write these to a computer file. Click **Import** to load a .rms settings file. The control panel shows the current settings file loaded in the mixer. If any changes are made since the last import, [Modified] will appear after the filename along with a **Save** button, offering to save your changes as the new default.

Firmware

The MP2014 Firmware Version currently installed in the MP2014 is shown. The **Downloads** link on the MP2014 page at **dj.rane.com** is the place to check if there is a control panel / firmware update. After downloading and installing, if the MP2014 firmware installed on your computer is newer than the firmware in your MP2014, an **Update Firmware** button is enabled. Pressing the button updates the MP2014 firmware to the new version.

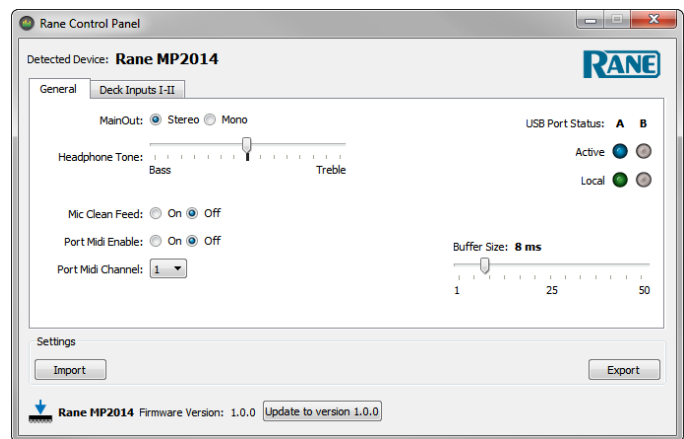
General Tab

Main Out can be set to Stereo or Mono. The Booth and Session Outputs are always in stereo.

Headphone Tone slider adjusts the tone going to the headphones using spectral tilt filters.

- Increasing Treble reduces lows by the same amount.
- Increasing Bass reduces highs by the same amount.

Mic Clean Feed when selected, the microphone signal is only sent to the Main Out and is not present in the USB Main Record, Booth Out or Session Out. This allows you to record your set without any house announcements. Default is Off.



Port MIDI Enable enables MIDI commands to/from the MP2014 Mixer controls at the current USB Port. Default is Off.

Port MIDI Channel assigns MIDI channel 1-16 to the MP2014 Mixer at the current USB Port. Default is MIDI channel 1.

USB Port Status indicates the connection status of both USB ports. Active indicates a USB connection between the mixer and a computer. Local shows the USB Port connected to this control panel's computer.

The **Buffer Size** control allows the USB buffer to be increased or decreased. This only appears in the Rane Control Panel for ASIO in Windows. In Mac systems, the buffer control is in the DAW or DJ audio preferences screen and does not appear here. The Rane driver is designed to run at latencies as low as 5 milliseconds round-trip. 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 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 determined by the Buffer Size set by the DAW/DJ software, plus device latency. Device latency is 3 to 4 ms.

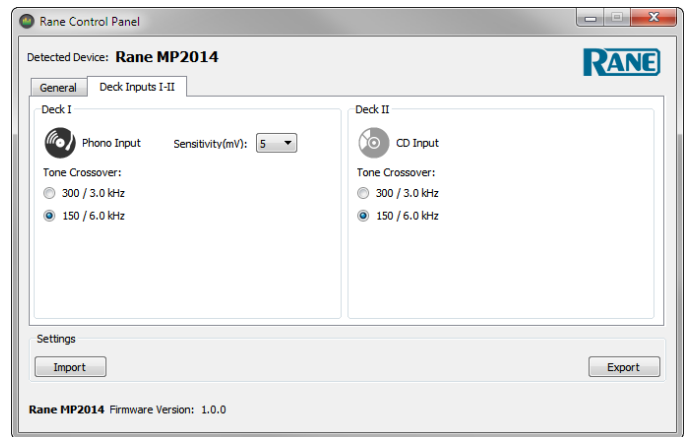
Deck Inputs I-II Tab

Analog Input Source: The analog input for each Deck must be set appropriately for Phono or CD player using a switch on the rear of the mixer. The control panel shows the mode selected by these switches for Decks I and II. This mode can only be changed on the mixer.

Phono Sensitivity: If a Phono Input is selected on the mixer (as shown for Deck I) the Sensitivity (mV) adjustment appears in the panel. Click the down-arrow to display a list of 16 Sensitivity settings between 2.5 mV and 10 mV in 0.5 mV steps. The default is 5 mV. 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 the turntable to a CD playing on another input.

Tone Crossover sets the crossover points of the 3-band Tone controls for each of the Deck channels to either:

- 300 Hz between Low and Mid, 3 kHz between Mid and High.
- 150 Hz between Low and Mid, 6 kHz between Mid and High (default).



MIDI Mapping

Top Panel MIDI Controls (blue = CC#, red = Note#)

RANE MP2014

Frequency Response: LOW (02), MID (10), HIGH (24). Crossover points: 135, 225, 380, 1.7k, 2.8k, 4.75k, 8.0k. ISO (01).

Source Selection: PH/CD 1 AUX 1 (1A, 1B) SOURCE I (57), PH/CD 2 AUX 2 (2A, 2B) SOURCE II (54).

Gain and Tone: SESSION OUT (40), MIC GAIN (42), BASS/TREBLE TONE (44), GAIN (08), HIGH (11), MID (13), LOW (15).

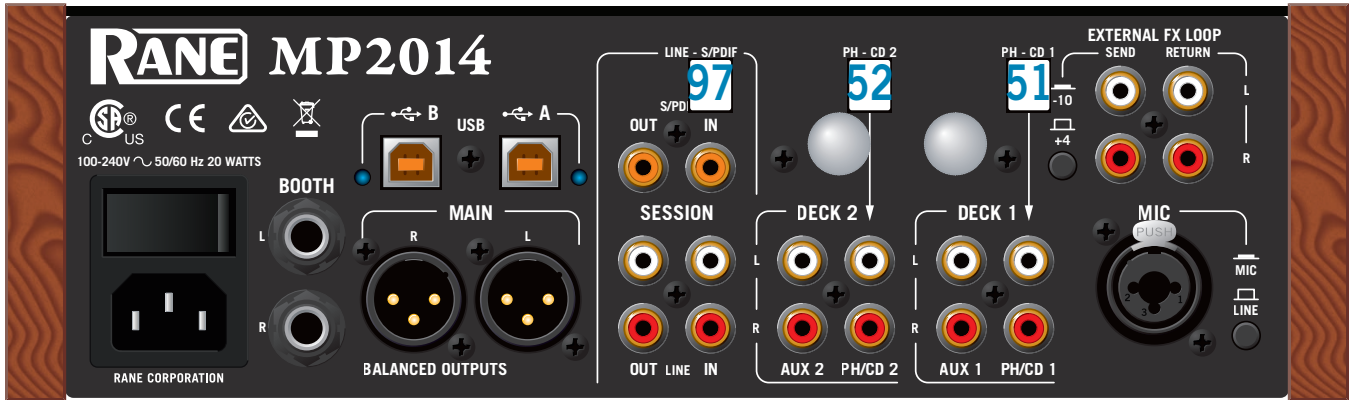
FX and CUE: DUCK ON/OFF (93), FX (02, 05, 06), CUE (03, 06, 09, 19, 20, 23).

Filter and Resonance: FILTER (04, 06, 14), HP L-H LP (56, 55), LOW/HIGH RESONANCE (31).

Mixing and Monitoring: MIX I (04), MIX II (12), PHONES (98), LEFT/RIGHT (39), BOOTH (38), PHONES CUE/PAN (43), PHONES LEVEL (41).

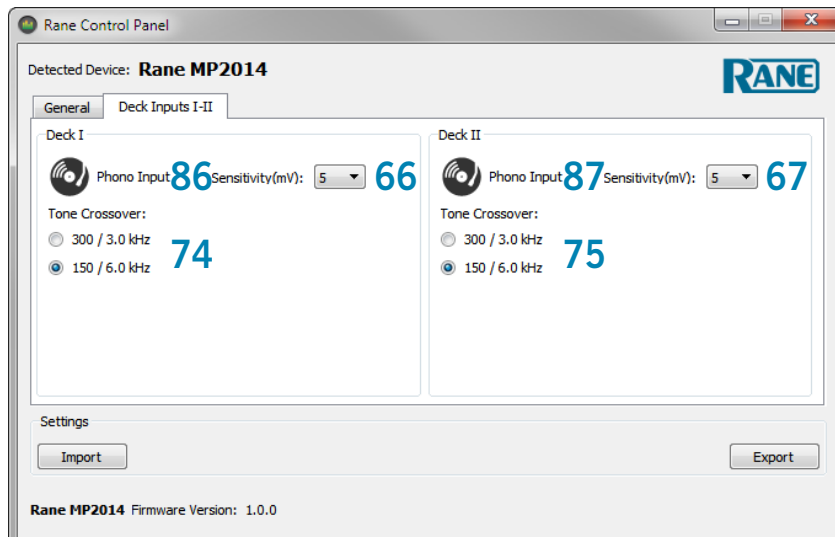
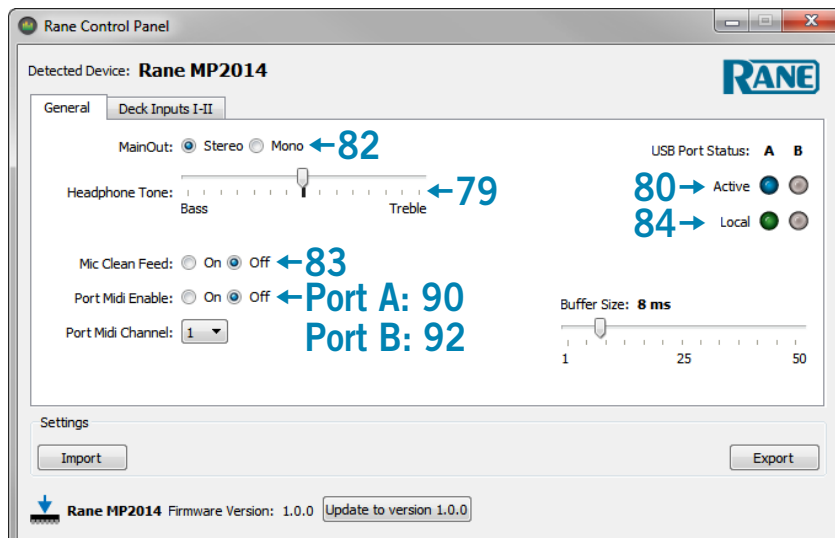
MIDI Mapping Legend: Blue = CC#, Red = Note#.

Rear Panel MIDI Controls



Control Panel MIDI Controls

Control change numbers for items in the mixer menus are shared with corresponding controls in the driver control panel.



MIDI Implementation

Top Panel MIDI Control Change Send Chart

Control # Dec	Control # Hex	Function	Value
1	01	Deck 1 Input Gain Trim	0-127 (0x00-0x7F)
2	02	Isolator EQ Low Boost/Cut	0-127 (0x00-0x7F)
3	03	Deck 1 High Boost/Cut	0-127 (0x00-0x7F)
4	04	Deck 1 Mix Level	0-127 (0x00-0x7F)
5	05	Deck 1 Mid Boost/Cut	0-127 (0x00-0x7F)
6	06	Deck 1 LP/HP Filter	0-127 (0x00-0x7F)
7	07	Deck 1 Low Boost/Cut	0-127 (0x00-0x7F)
8	08	Deck 2 Input Gain Trim	0-127 (0x00-0x7F)
9	09	Isolator Low/Mid Crossover	0-127 (0x00-0x7F)
10	0A	Isolator Mid Boost/Cut	0-127 (0x00-0x7F)
11	0B	Deck 2 High Boost/Cut	0-127 (0x00-0x7F)
12	0C	Deck 2 Mix Level	0-127 (0x00-0x7F)
13	0D	Deck 2 Mid Boost/Cut	0-127 (0x00-0x7F)
14	0E	Deck 2 LP/HP Filter	0-127 (0x00-0x7F)
15	0F	Deck 2 Low Boost/Cut	0-127 (0x00-0x7F)
17	11	Isolator Mid/High Crossover	0-127 (0x00-0x7F)
24	18	Isolator High Boost/Cut	0-127 (0x00-0x7F)
31	1F	All LP/HP Filter Resonance	0-127 (0x00-0x7F)
37	25	Session In Level	0-127 (0x00-0x7F)
38	26	Booth Output Level	0-127 (0x00-0x7F)
39	27	Main Output Level	0-127 (0x00-0x7F)
40	28	Session Output Level	0-127 (0x00-0x7F)
41	29	Phones Output Level	0-127 (0x00-0x7F)
42	2A	Mic Input Gain	0-127 (0x00-0x7F)
43	2B	Phones Cue/Main Pan	0-127 (0x00-0x7F)
44	2C	Mic Tone Control	0-127 (0x00-0x7F)
51	33	Deck 1 Input Mode Switch	0-42 (PH), 86-127 (CD)
52	34	Deck 2 Input Mode Switch	0-42 (PH), 86-127 (CD)
54	36	Deck 2 Source Switch	0-31 (USB A), 32-63 (PH/CD), 64-95 (AUX), 96-127 (USB B)
55	37	Deck 2 Filter Type Switch	0-42 (HP), 43-85 (LP), 86-127 (LP/HP)
56	38	Deck 1 Filter Type Switch	0-42 (HP), 43-85 (LP), 86-127 (LP/HP)
57	39	Deck 1 Source Switch	0-31 (USB A), 32-63 (PH/CD), 64-95 (AUX), 96-127 (USB B)
93	5D	Mic Duck/On/Off Switch	0 (0x00)=OFF, 1 (0x01)=ON, 2 (0x02)=DUCK
95	5F	Session In LP/HP Filter	0-127 (0x00-0x7F)
96	60	Session In USB Aux Mode Switch	0 (0x00)=SESSION IN, 1 (0x01)=USB AUX IN
97	61	Session In Mode Switch	0 (0x00)=LINE, 1 (0x01)=S/PDIF
98	62	Session In Filter Type Switch	0-42 (HP), 43-85 (LP), 86-127 (LP/HP)

MIDI Note ON/OFF Send Chart

Note # Dec	Note # Hex	Description	Switch Type	Value
1	01	Isolator On / Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
2	02	Mic FX Loop On / Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
3	03	Session In Cue Assign	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
4	04	Session In Filter On / Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
5	05	Deck 1 FX On / Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
6	06	Deck 2 FX On / Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
9	09	Headphone Split Cue On/Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
19	13	Deck 1 Cue Assign	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
20	14	Deck 2 Cue Assign	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
21	15	Deck 1 Filter On/Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On
23	17	Deck 2 Filter On/Off	Momentary	On Velocity: 0-42 = LED off, 43-127 LED On

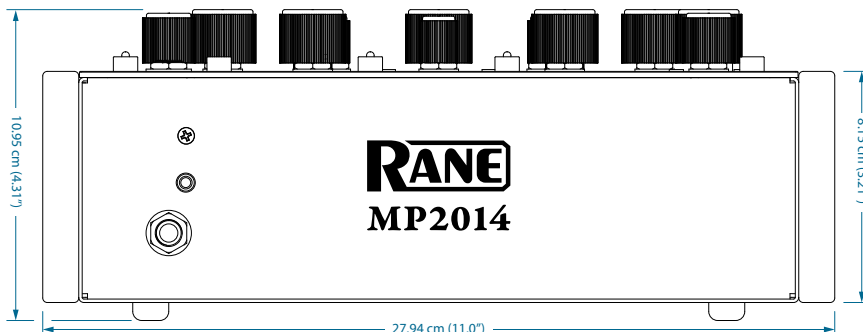
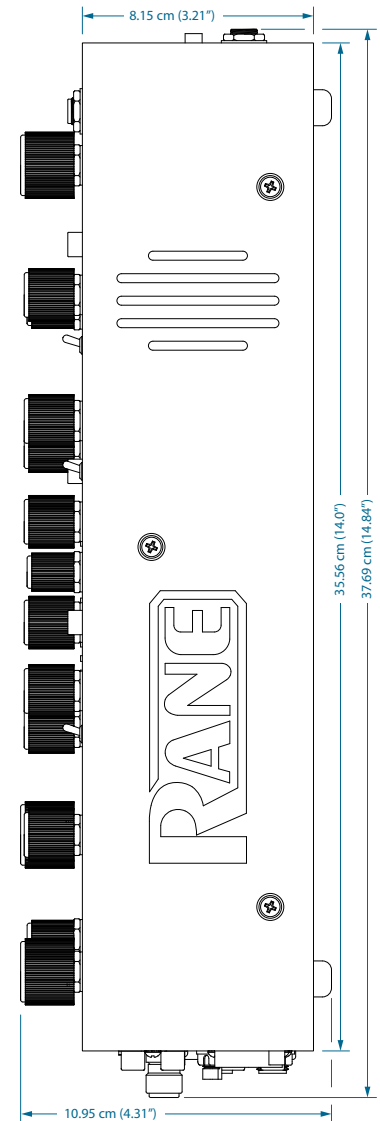
Control Panel MIDI Control Change Chart

Control # Dec	Control # Hex	Control Description	Data	Value
66	42	Deck 1 Phono Sensitivity	0-F	2.5 (00), 3 (01), 3.5 (02), 4 (03), 4.5 (04), 5 (05), 5.5 (06), 6 (07), 6.5 (08), 7 (09), 7.5 (0A), 8 (0B), 8.5 (0C), 9 (0D), 9.5 (0E), 10 (0F)
67	43	Deck 2 Phono Sensitivity	0-F	2.5 (00), 3 (01), 3.5 (02), 4 (03), 4.5 (04), 5 (05), 5.5 (06), 6 (07), 6.5 (08), 7 (09), 7.5 (0A), 8 (0B), 8.5 (0C), 9 (0D), 9.5 (0E), 10 (0F)
74	4A	Deck 1 Tone Crossover	0-7F	300/3.0k (0-3F), 150/6.0k (40-7F)
75	4B	Deck 2 Tone Crossover	0-7F	300/3.0k (0-3F), 150/6.0k (40-7F)
79	4F	Headphone Tone	0-7F	
80	50	USB Port Active Status	Binary	Port A Active (1), Port B Active (2) [may be a combination of values]
82	52	Stereo/Mono	0-7F	Stereo (0-3F), Mono (40-7F), Checkbox
83	53	Mic Clean Feed	0-7F	Normal (0-3F), Clean Feed (40-7F), Checkbox
84	54	USB Port Local Status	0-7F	Port A Local (0-3F), Port B Local (40-7F)
86	56	Deck 1 Input Mode	0-7F	00-2A (S/PDIF), 2B-55 (Phono), 56-7F (CD)
87	57	Deck 2 Input Mode	0-7F	00-2A (S/PDIF), 2B-55 (Phono), 56-7F (CD)
90	5A	User MIDI Controls Enable Port A	0-7F	0x00 Port A User MIDI Controls Disabled, 0x01-0x7F Enabled
92	5C	User MIDI Controls Enable Port B	0-7F	0x00 Port B User MIDI Controls Disabled, 0x01-0x7F Enabled

Technical Specifications

All specifications typical unless otherwise stated

Two Analog Deck Inputs	Each is Phono-CD switchable
.....Analog Stereo RCA jacks	Phono (RIAA) or CD (line-level)
.....Phono Response	RIAA +0.1/-0.2 dB, Gain: 31 dB at 1 kHz
.....Butterworth 3rd-order Infrasonic (rumble) and 2nd-order Low-pass Filters	
.....Max Phono Input	126 mV
.....Max Line Input	4 Vrms, all unbalanced inputs
Two Analog Aux Inputs: Line Level	Stereo unbalanced RCA jacks
Session Analog Input: Line Level	Stereo unbalanced RCA jacks
Session S/PDIF Input / Output	RCA jacks (Dynamic range of 128 dB)
....Input 16-bit or 24-bit PCM only	Sample Rate 16 kHz to 144 kHz
....Dynamic range of 128 dB with ultra-low jitter and 16:1 SRC conversion range	
Analog to Digital Converters	24-bit @ 44.1, 48, or 96 kHz
Digital to Analog Converters	24-bit @ 44.1, 48, or 96 kHz
Digital Signal Processing	32-bit floating point
....Dynamic Range	
.....Digital/USB Input to Line Output	116 dB A-weighted
.....Line Input to Digital/USB Output	116 dB A-weighted
.....Line Input to Line Output	113 dB A-weighted
....THD and Noise	0.001%
USB 2.0 Audio (2 Independent Ports)	Seven stereo record, three stereo playback
....PCM	24-bit @ 44.1, 48, or 96 kHz
....Class Compliant	No driver needed for Mac OS X
....Universal ASIO driver included for Windows	7-SP1, Windows 8.1, Windows 10
FlexFX Send / Return	Stereo unbalanced RCA jacks
Mic Input	Balanced ¼" TRS & XLR combo jack
....Mic / Line-level switch	Choose Line to connect a wireless receiver
Line Outputs	Main, Booth, Session, FX Loop Send
....Frequency Response	20 Hz to 20 kHz ±0.25 dB
....Unbalanced jacks (Session & FX Send)	Max 4 Vrms
....Balanced jacks (Main & Booth)	Max 8 Vrms
Universal Power Supply: 100 to 240 VAC	Max 20 W, 50 Hz to 60 Hz
.....Transient voltage and EMI protection, turn on muting and overload protection	
Unit: Conformity	CE, FCC, cCSAus
Size: 35.56 cm x 27.94 cm x 10.95 cm	14" H x 11" W x 4.31" D (with knobs)
....Weight: 4.7 kg	10.4 lb
Shipping Size: 19.7 cm x 38.1 cm x 49 cm	7.75" H x 15" W x 19.25" D
....Weight: 6.4 kg	14 lb



Ears / Bridges Accessory

A mounting kit accessory is available for the Rane MP2014 Mixer, enabling it to be recess-mounted in a desk or portable coffin. These brackets / ears install easily with three screws on each side. The metal is black powder-coated electro-galvanized .075" steel. Include room for the connections on the back of the mixer, which can add up to 4" (10 cm) depending on your connectors. Leave access for the headphone jacks on the front of the mixer as well.

1. Remove the wood sides to attach the Ears.
2. Without the wood sides, the MP2014 Mixer is 10" wide (25.4 cm). The cavity needs to be 1/4" (6 mm) wider than this on each side to accommodate the mixer.
3. Attach the ears using 3 screws per side as provided in the kit. Warning: only use 6-32 x 3/8 screws. Longer screws will damage your mixer and void your warranty.
4. The Ears extend .75" (19 mm) out each side of the mixer, bringing the total width of the mixer to 11.5" (29.2 cm) for mounting.



EU Declaration of Conformity

Product Model: MP2014
 Serial Numbers: 900000 – 999999
 Product Type: Professional Audio Signal Processing



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

This declaration is issued under the sole responsibility of Rane Corporation.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- | | |
|------------|---|
| 2014/35/EU | The Low Voltage Directive |
| 2014/30/EU | The Electromagnetic Compatibility Directive |
| 2012/19/EU | The Waste Electrical and Electronic Equipment Directive |
| 2011/65/EU | The Restriction of Hazardous Substances Directive |
| 2001/95/EC | The General Product Safety Directive |

References to the relevant harmonised standards used in relation to which conformity is declared:

- | | |
|--|---|
| EN60065:2002/A1:2006/A11:2008/A2:2010/A12:2011 | Safety for audio, video and similar electronic apparatus. |
| EN55103-1:2009/AM1:2012 | Compatibility of professional electronic A/V apparatus emissions. |
| EN55103-2:2009 | Compatibility of professional electronic A/V apparatus immunity. |
| EN55032:2012 | Compatibility of electronic multimedia apparatus emissions. |
| EN50581:2012 | Technical documentation for RoHS assessment of electronic products. |


Additional Information:

- Environment E2
- CE mark first affixed in 2016

In order for the customer to maintain compliance with these regulations, high quality shielded cable must be used for interconnection to other equipment. No changes or modification of the equipment, other than that expressly outlined by the manufacturer, are allowed. The user of this equipment shall accept full responsibility for compliance with Union harmonisation legislation in the event that the equipment is modified without written consent of the manufacturer.

EN55103-2 Immunity Results:	THD+N: 4 dBu, 400 Hz, BW 20 Hz - 20 kHz
<i>Test Description</i>	<i>Measurement Conditions</i>
RF Electromagnetic Fields Immunity	
80 MHz - 1000 MHz, 1 kHz AM, 80% depth, 3V/m	<-53 dB
1400 MHz - 2700 MHz, 1 kHz AM, 80% depth, 3V/m	<-53 dB
Conducted RF Disturbances Immunity	
150 kHz - 80 MHz, 1 kHz AM, 80% depth, 3V rms	<-56 dB
Magnetic Fields Immunity	
50 Hz - 10 kHz, 3.0 - 0.3 A/m	<-53 dB
Common Mode Immunity (Signal Ports)	Bandpass re: 4 dBu, 1/3-octave
50 Hz - 10 kHz, -20 dBu	<-53 dB

Signed for and on behalf of: Rane Corporation
 Place of issue: Mukilteo WA USA Date of issue: December 7, 2015
 Name: Greg Frederick Function: Compliance Engineer

Signature: 

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 4) 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.

Repaired 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 MP2014 Mixer.