

Roland

R-MIX

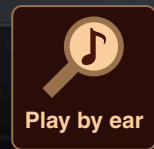
Audio Processing Software

Visualize your music
Control your mixes intuitively in real time



for Windows

for Mac OS X



Welcome to a new era of "visual" audio manipulation!

MORE INFORMATION ►►► www.roland.com



R-MIX Audio Processing Software

for Microsoft® Windows® 7/
Windows Vista® SP2/Windows® XP SP3

for Mac OS X

You can see and control the elements of a stereo mix. R-MIX, a new-generation audio processing software. This program gives you the flexibility to perform audio processing tasks that were difficult or impossible to achieve in the past, such as removing, extracting, and applying effects to the individual instruments in a stereo mix. Expand and enhance your musical creativity with R-MIX!

Shape

You can switch the shape of your audio selection area, or the "Frame," to either a rectangle or an ellipse.

Effect/Noise Cancel

R-MIX is equipped with a carefully selected set of effects, three types. You can apply effects to the parts that you specifically select, such as vocals. Noise cancellation is also provided, which lets you easily erase unwanted noise from recordings with a simple slider move.

Effects List

TYPE	Explanation
Comp 1/Comp 2	Smooth out variations in sound volume with these compressors.
S. Delay	Short delay. You can use this to create a doubling effect that layers a copy of the sound on itself.
M. Delay	Standard length delay.
L. Delay	Long delay.
Room Reverb	This reverb gives you the ambience of performing in a room.
Hall Reverb	This reverb gives you the ambience of performing in a hall.
Plate Reverb	This metal plate reverb provides a brighter reverb sound.

Noise Cancellation List

TYPE	Explanation
Hiss Noise	Remove "hiss" noise that is a characteristic of analog tape recordings.
Hum Noise	Remove low-frequency noise that results when you use a noisy power source.
Wind Noise	Remove wind noise that is created when wind blows into your mic during an outdoor recording.
Air Conditioner	Remove wind and motor noises from air conditioners.

Audio Tracks

R-MIX provides two audio tracks (stereo) that allow the importing or recording of audio data. You can also define an envelope curve to make time-based volume variations. R-MIX also supports repeat (looped) playback of any selected section.



Isolate and analyze a particular instrument



With R-MIX, you can extract specific instruments from your source mix and adjust their volume — a great way to learn phrases by ear. You can reduce playback speed to 50% and loop a designated section of the song over and over. Study the notes in a fast guitar solo, for example.



Create "minus-one" karaoke tracks



Select your instrumental part of choice and reduce its volume to create a "minus-one" track (karaoke). Use this as accompaniment to practice singing or playing. You can use the additional audio track to record your performances for evaluation.



Remove noise and create remixes



Isolate instruments and remix them by changing volume levels or applying effects. You can also polish your tracks by removing unwanted noise. Since R-MIX provides twin tracks, multiple songs can be linked together to create original medleys.

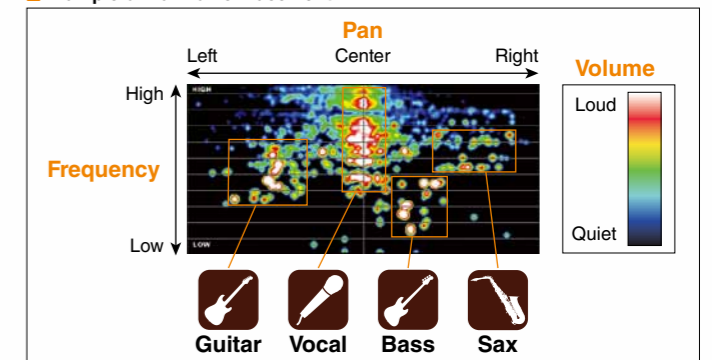
Red Frame

This is the area of the audio that you select for audio processing. You can use the mouse to freely adjust its position and size.

Harmonic Placement (V-Remastering technology)

The unique technology that powers R-MIX is "Harmonic Placement", and it's driven by a friendly user interface that lets you visualize audio. This feature provides real-time analysis of the elements of a stereo mix, including volume, frequencies, and stereo sound location. By showing these elements in a graphic display, you can see the sounds of the instruments that make up the song. Additionally, Roland's unique sound processing technology gives you the freedom to remove, extract, change the volume of, or apply effects to individual instruments.

Example of Harmonic Placement



V-Remastering

This is proprietary Roland signal processing technology by which musical information such as level and panning is extracted from the audio signal for each frequency band, allowing total control of everything from the balance of the individual sounds to reconstructing the reverberation.

VariPhrase Parameters

Roland's unique VariPhrase technology lets you control pitch and playback speed while maintaining the sound quality of the original. You can adjust the pitch within a range of one octave, and fine tune it in increments of one cent. You can adjust the playback speed within a range of 50-130%.



This is proprietary Roland signal processing technology which allows the three elements of an audio phrase — "pitch" "time (or speed)," and "formants (timbre)" — to be controlled independently in real time. Of these elements of VariPhrase technology, R-MIX can control the "pitch" and "time," allowing you to perform slow playback or key changes with minimal loss in audio quality.

Inside / Outside Level

R-MIX lets you adjust the volume of sounds inside and outside the selected area independently. You can lower the level outside of the selected area, for example, to emphasize the selected area's material. Conversely, you can reduce the level to zero to cut the sound inside the selected area.



- Import 44.1kHz or 48kHz/16-bit WAV and AIFF files
* AIFF support available only on Mac OS version
- Export 44.1kHz/16-bit WAV files
- Perform tasks quickly using menu options that are displayed in the sequence
- Marker function lets you save selected positions as well as the parameters you've defined
- Tempo Guide function lets you easily extract tempo from audio data
- Supports ASIO/Direct Sound (Windows) and Core Audio (Mac)

■ Specifications

• **Recording/Playback:** Tracks: Stereo x 2, Simultaneously recordable tracks: Stereo x 1, Internal Data Format: 44.1 kHz, stereo • **Effects:** Compressor, Delay, Reverb • **Importable File Formats:** WAV (44.1 kHz or 48 kHz, 16-bit, stereo or mono), AIFF (44.1 kHz or 48 kHz, 16-bit, stereo or mono) (Mac OS only) • **Export File Format:** WAV (44.1 kHz, 16-bit, stereo) • **Package:** R-MIX Software CD-ROM, R-MIX Quick Manual

* Does not support compressed formats such as mp3, AAC, etc.

■ System Requirements

Windows

• **Operating System:** Microsoft® Windows® XP Home Edition/Professional Service Pack 3 or later, Microsoft® Windows Vista® (32-bit/64-bit) Service Pack 2 or later, Microsoft® Windows® 7 (32-bit/64-bit) Service Pack 1 or later * This product does not support Windows XP Media Center Edition/Professional x64 Edition. * R-MIX is a 32-bit application only, but it can run on 64-bit versions of Windows Vista and Windows 7. • **CPU/Clock:** Intel® Core™2 Duo processor/compatible multi-core processor 2.0 GHz or higher * We cannot guarantee the compatibility of compatible processors. • **RAM:** 2 GB or more * 3 GB or more recommended • **Hard Disk:** 300 MB or more of free space • **Display/Colors:** 1,024 x 768 dots or higher/24-bit Full Color or more • **Other:** Audio interface or sound card, CD-ROM drive required

* This software cannot be used in a virtual Windows environment, such as Windows XP Mode (Virtual Windows XP) or Virtual PC. * Apple Mac computers running Microsoft Windows are not supported.

Mac

• **Operating System:** Mac OS X v10.5.8 or later • **CPU/Clock:** Intel® Core™2 Duo processor 2.0 GHz or higher • **RAM:** 2 GB or more * 3 GB or more recommended • **Hard Disk:** 300 MB or more of free space • **Display/Colors:** 1,024 x 768 dots or higher/16.7 million colors or more • **Other:** CD-ROM drive required

* Apple Mac computers running Microsoft Windows are not supported.



Touch R-MIX with the special iPad® version!

R-MIX Tab

For iPad

Available on the
App Store

Download from the App Store™

- The essence of R-MIX in a special version for the iPad, including V-Remastering and powerful audio processing
- "Harmonic Placement" feature included, which visualizes sound
- Supports multi-touch for selecting and processing areas of sound
- Import songs via computer, and isolate/analyze instruments and sections for study
- Remove specific parts from a mix, or enhance the bass tracks for remixing

* You cannot save audio that you have processed in the R-MIX tab.

Roland's lineup of USB audio interfaces for importing instrument and mic sources into your computer



TRI-CAPTURE USB Audio Interface

Features three inputs and lets you record a wide range of sources.

for Microsoft®Windows™7/
Windows Vista®/Windows®XP

for Mac OS X

Audio
2 in/2 out



DUO-CAPTURE USB Audio Interface

A lightweight, compact, and streamlined 2-in/2-out model.

for Microsoft®Windows™7/
Windows Vista®/Windows®XP

for Mac OS X

Audio
2 in/2 out



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