

Pioneer DJ

DJ controller

DDJ-RX

 **rekordbox** rekordbox dj

<http://pioneerdj.com/support/>

The Pioneer DJ site shown above offers FAQs, information on software and various other types of information and services to allow you to use your product in greater comfort.

<http://rekordbox.com/>

For the latest version of the rekordbox software, access rekordbox.com and download the software from there.

Operating Instructions

Contents

How to read this manual

- Thank you for buying this Pioneer DJ product.
Be sure to read both this manual and the Operating Instructions (Quick Start Guide). Both contain important information that you should understand before using this product.
For instructions on obtaining the rekordbox software's manual, see *Acquiring the manual* (p.31).
- In this manual, names of screens and menus displayed on the product and on the computer screen, as well as names of buttons and terminals, etc., are indicated within brackets. (e.g.: [CUE] button, [Files] panel, [MIC1] terminal)
- Please note that the screens and specifications of the software described in this manual as well as the external appearance and specifications of the hardware are currently under development and may differ from the final specifications.
- Please note that depending on the operating system version, web browser settings, etc., operation may differ from the procedures described in this manual.

This manual consists mainly of explanations of functions of this unit as hardware.
For detailed instructions on operating rekordbox dj, see the rekordbox software's manual.

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Before start

Features

This unit is an all-in-one DJ controller designed specifically for "rekordbox dj". It's interfaces incorporating various controls such as "BIG JOG", "PERFORMANCE PADS" and 4-channel mixer are positioned with room to spare to allow for more individualistic DJ performances using "rekordbox dj". Also, the unit provides "SOUND COLOR FX" and "SEQUENCER" functions so that original arrangements can be added to the music being played back. Furthermore, numerous input and output terminals support a variety of DJ styles. Featuring aluminum material for the top panel, the design makes the unit look high quality, which is appropriate in a variety of scenes such as nightclubs, home parties, etc.

"BIG JOG" & "ON JOG DISPLAY"

We have achieved the shortest time required from when jog is operated until when the control signal is transferred to the software. Additionally, "BIG JOG", a large sized jog, allows the DJ to play scratches as they wish with smooth operability. At the center of the jog, the "ON JOG DISPLAY" displays the playback status of music and the current playback position so that the DJ can perform scratching more accurately.

"MULTI-COLOR PERFORMANCE PADS"

"MULTI-COLOR PERFORMANCE PADS", large rubber pads used to operate functions such as HOT CUE, PAD FX, and SAMPLER, are positioned at the front of the unit.

Music can be arranged by dynamic actions such as beating and rolling and the volume of the sampler can be increased or decreased depending on the strength of the beat.

Also, each pad has built-in multi-color illumination so you can instantaneously understand the information required for your performance from the color and lighting state of the pad.

SEQUENCER

The "SEQUENCER" function that enables recording sampler operation patterns and playing back recorded sampler operation patterns can be intuitively operated from the included dedicated operation interface.

DJ performances full of originality are possible as the "SEQUENCER" function and dedicated operation interface can be used to easily create phrases using sounds loaded in the sampler.

4-CHANNEL MIXER

The unit includes "4-CHANNEL MIXER", which allows the DJ to independently operate songs being played back with four decks. Four songs can be mixed to create a highly individualistic DJ mix.

Level meters are located near the master unit and the operation interface of each channel, so that input and output levels can be understood instantly.

SOUND COLOR FX

The unit is equipped with four "SOUND COLOR FX" functions (NOISE, CRUSH, PITCH, and FILTER) for achieving a wide range of musical arrangements.

By simply turning the control, it is possible to create the effect you want, and a variety of remix can be achieved such as adding original arrangements to the music.

Creative effect performances are also made possible by assigning your favorite SOUND COLOR FX included in "rekordbox dj".

PLUG AND PLAY

The sound cards of the unit and all buttons and controls are set to be linked with "rekordbox dj" beforehand. The DJ can begin performances immediately using "rekordbox dj" without having to make troublesome settings.

FLEXIBLE CONNECTIVITY

Four external input systems and two MIC input systems are provided to connect to DJ players or analog turntables.

Mixing is possible without going through a computer, so the unit can be used as a single DJ mixer as well.

In addition, two MASTER OUT systems and one BOOTH OUT system are provided to handle professional PA device output.

All kinds of party scenes and DJ playing styles are supported.

HIGH SOUND QUALITY

The audio output circuitry uses a low-jitter clock and high performance DAC to reproduce the original sound faithfully and achieve clear club sound. In addition, the sound quality technology Pioneer DJ has developed with its professional series is used to achieve the industry's highest level of sound quality for a DJ controller.

PROFESSIONAL QUALITY DESIGN

Aluminum material on the top panel and jog plate provides a sense of high quality design.

This unit is an essential part of DJ performance in clubs and home party scenes.

SLIP MODE

This unit is equipped with a SLIP MODE function to enable sound to continue in the background while operations such as looping, scratching, and hot cueing are being performed. This means operations such as looping, scratching, and hot cueing can be performed without changing the original track's composition.

NEEDLE SEARCH

Points can be searched for simply by touching the touch pad with a finger. This makes for intuitive, speedy searching with the sense of touching the music directly.

What's in the box

- AC adapter
- Power plug^[1]
- USB cable
- Warranty (for some regions only)^[2]
- Operating Instructions (Quick Start Guide)
- rekordbox dj license key^[3]

[1] The number of power plugs included differs depending on the region.

[2] The warranty is included for European region only.

— For the Japanese region, the corresponding information is provided on the back cover of the "Operating Instructions (Quick Start Guide)".

— For the North American region, the corresponding information is provided on the last page of both the English and French versions of the "Operating Instructions (Quick Start Guide)".

[3] The license key cannot be reissued. Be careful not to lose it.

About the AC adapter

Safety instructions

To ensure your personal safety and to maximize the full operating potential of your unit, read and follow these safety instructions.

Read & Retain Instructions

Read all operating and user information provided with this product.

Cleaning

Use a damp cloth to clean the exterior housing. Avoid using any fluids including liquid, aerosol or alcohol-based cleaning products.

Water or Moisture

Avoid operating or locating this product near water or other sources of fluid.

Accessories

Do not place this product on an unstable cart, stand, or table. The product may fall and be seriously damaged.

Ventilation

Do not block or cover this product in use. This unit should not be placed in a built-in installation unless properly ventilated.

Environment

Avoid placing this product in a location with exposure to large quantities of dust, high temperatures, high humidity, or subject to excessive vibrations or shocks.

Power Sources

Operate this product only from the recommended power sources. If you are unsure of the power source, consult an authorized Pioneer representative.

Power-Cord Protection

When unplugging the unit, pull on the plug – not on the cord. Do not handle the cord or plug with wet hands; doing so could cause an electric short or shock. Do not allow anything to pinch or rest on the power cord and do not place in a walkway.

Power

Turn OFF the system before installing this or any other hardware device.

Overloading

Avoid connecting too many devices to a single wall socket or power source as this can cause fires or short circuits.

Object & Liquid Entry

Never push inappropriate objects in to the device. Avoid spilling any liquids in to or on the outside of the drive.

Servicing

Opening or removing the cover exposes you to possible electrical shock or other danger. Contact a Pioneer authorized service representative for repairing this product (refer to the enclosed Service & Support Card).

Damage Requiring Service

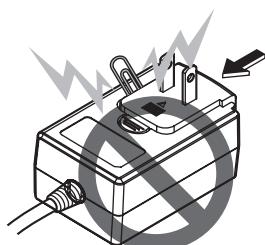
Unplug the unit and refer servicing to qualified service personnel in the following situations:

- When the power cord, plug, or chassis is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and can require extensive work by a qualified technician to restore the unit to its normal operation.
- When the product exhibits a distinct change in performance – this indicates a need for service.

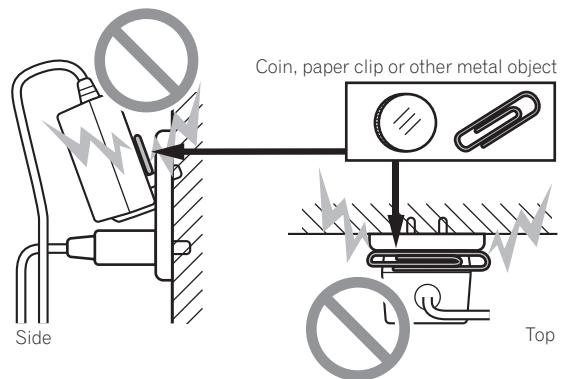
Check that there are no irregularities with the AC adapter or power plug, then insert the power plug into the specified position of the AC adapter using the specified procedure until a click is heard. For details, see *Mounting the power plug* on page 4. If there are irregularities with the AC adapter or power plug, ask your nearest Pioneer authorized service center or your dealer to carry out repair work.

Cautions on use

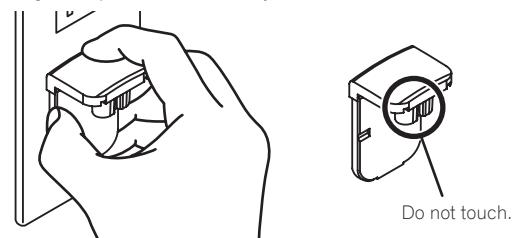
- Do not use this unit with a coin, paper clip or other metal object stuck between the AC adapter and power plug. Doing so could cause a short circuit, leading to fire or electric shock.



- When mounting the AC adapter on a wall outlet, make sure there is no space between the AC adapter and the wall outlet. Faulty contact or a coin, paper clip or other metal object getting stuck in the space could cause a short circuit, leading to fire or electric shock.

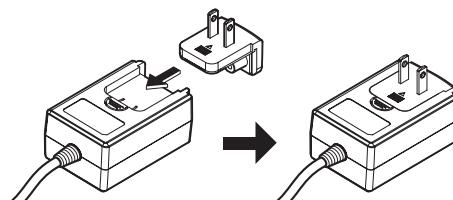


- The power plug could come detached from the AC adapter and remain in the power outlet if someone trips on the AC adapter's power cord or if something hits the AC adapter. If this happens, remove the power plug remaining in the outlet with dry hands, holding it as shown on the diagram below and without touching metal parts. Do not use any tools to remove it.



Mounting the power plug

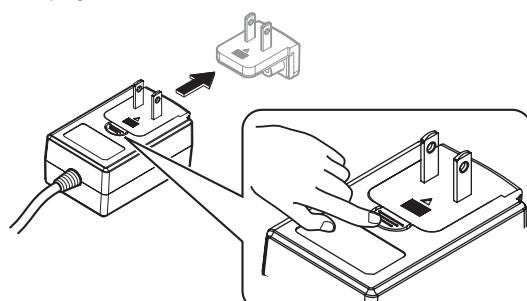
Slide the power plug along the guide rails in the AC adapter unit as shown on the diagram below, then press in until a click is heard.



❖ Removing the power plug

While pressing the [PUSH] button on the AC adapter unit, slide the power plug away from the adapter as shown on the diagram below to remove it.

Once the power plug is mounted, there is no need to remove it.



Installing the software

Before installing the software

The rekordbox software and driver software are not included. Access "rekordbox.com" for the rekordbox software and Pioneer DJ site for the driver software, and download the software.
<http://rekordbox.com/>
<http://www.pioneerdj.com/>

- The user is responsible for preparing the computer, network devices and other elements of the Internet usage environment required for a connection to the Internet.

About the driver software (Windows)

This driver software is an exclusive ASIO driver for outputting audio signals from the computer.

- There is no need to install the driver software when using Mac OS X.

Obtaining the driver software

1 Launch a web browser on the computer and access the Pioneer DJ site below.

<http://www.pioneerdj.com/>

2 Click the [Support] icon.

3 Click the [FIND SOFTWARE & FIRMWARE UPDATES] icon.

4 Click the [DDJ-RX] icon in the [CONTROLLER] category.

5 Click the [Drivers] icon.

6 Click the [Download link] icon and save the file.

About rekordbox and rekordbox dj

- rekordbox is a composite software that enables track management and DJ performances.
- The DJ performance function of rekordbox is called rekordbox dj. Enter the license key included with this product to use rekordbox dj.

Minimum operating environment

Supported operating systems	CPU and required memory
Mac OS X: 10.10, 10.9, 10.8 (latest update)	Intel® processor, Core™ i3, i5, or i7 4 GB or more of RAM
Windows: Windows 8, Windows 8.1, Windows 8 Pro, Windows 8.1 Pro (latest service pack), Windows 7 Home Premium, Professional, Ultimate (latest service pack)	32-bit version Intel® processor, Core™ i3, i5, or i7 4 GB or more of RAM 64-bit version Intel® processor, Core™ i3, i5, or i7 4 GB or more of RAM

Others

USB port	A USB 2.0 port is required to connect the computer with this unit.
Display resolution	Resolution of 1280 x 768 or greater
Internet connection	An Internet connection is required for registering the rekordbox user account and downloading the software.

- For information on the latest system requirements, compatibility, and supported operating systems of rekordbox, see [System Requirements] of "rekordbox.com" below.
<http://rekordbox.com/>
- Operation is not guaranteed on all computers, even if all the required operating environment conditions indicated here are fulfilled.
- Depending on the computer's power-saving settings, etc., the CPU and hard disk may not provide sufficient processing capabilities. For notebook computers in particular, make sure the computer is in the proper conditions to provide constant high performance (for example by keeping the AC power connected) when using rekordbox.
- Use of the Internet requires a separate contract with a provider offering Internet services and payment of provider fees.
- Use the latest version/service pack of the operating system.

Obtaining the rekordbox software

1 Launch a web browser on the computer and access the rekordbox.com site below.

<http://rekordbox.com/>

2 Click [Download] in the [Download] menu of "rekordbox.com".

The rekordbox download page is displayed.

3 Click the download icon.

Downloading of rekordbox starts.

If you are already using rekordbox 3, update the software to the latest version to use rekordbox dj.

About the installation procedure

The installation procedure depends on the operating system (OS) on the computer you are using.

For Windows

After installing the driver software, install the rekordbox software.

For Mac OS X

Only install the rekordbox software.

Installation Procedure (Windows)

Do not connect this unit and the computer until installation is completed.

- First read the *Software end user license agreement* on page 31 carefully.
- Log on as the user which was set as the computer's administrator before installing.
- If any other programs are running on the computer, quit them.

1 Double-click the downloaded driver software (DDJ_RX_Driver_X.XXX.exe).

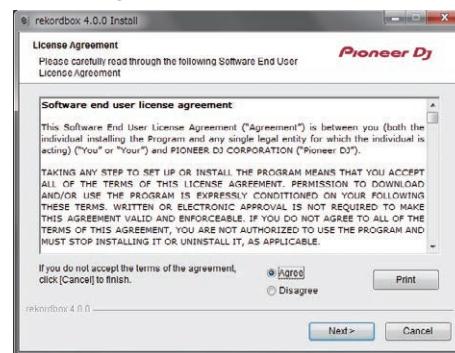
2 Proceed with installation according to the instructions on the screen.

If [Windows Security] appears on the screen while the installation is in progress, click [Install this driver software anyway] and continue with the installation. When the installation program is completed, a completion message appears. After installing the driver software, install the rekordbox software.

3 Unzip the downloaded rekordbox software file.

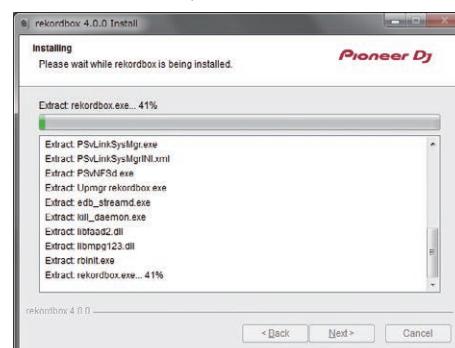
4 Double-click the unzipped software file to launch the installer.

5 Read the terms of the license agreement carefully, and if you agree, select [Agree], then click [Next].



- If you do not agree to the contents of the license agreement, click [Cancel] to cancel installation.

After the installation destination is specified, the installation starts.



The message of successful installation appears once installation is completed.

6 Click [Finish] to quit the rekordbox installer.



❖ Installation procedure (Mac OS X)

Do not connect this unit and the computer until installation is completed.

- If any other programs are running on the computer, quit them.

1 Unzip the downloaded rekordbox software file.

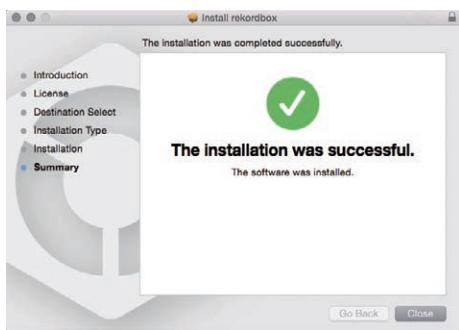
2 Double-click the unzipped software file to launch the installer.

3 Read the terms of the license agreement carefully, and if you agree, click [Agree].



- If you do not agree to the contents of the license agreement, click [Disagree] to quit installation.

4 If the installation completion screen appears, click [Close] to close the rekordbox installer.



About the driver software and the ASIO settings utility software

This unit functions as an audio device conforming to the ASIO standards.

Using the ASIO settings utility software

This function can only be used by those using a Windows operating system.

❖ Launching the ASIO settings utility software

For Windows 7

Click [All Programs] > [Pioneer] > [DDJ_RX] > [DDJ_RX ASIO Settings Utility] from the Windows [Start] menu.

For Windows 8.1/Windows 8

From [Apps view], click [Pioneer] > [DDJ_RX ASIO Settings Utility].

❖ Adjusting the buffer size

In the same way as the setting of [Buffer Size], decreasing the value of the [Kernel Buffers] setting lowers the transfer delay (latency) of the audio data, while increasing the value reduces the tendency for dropouts (breaks in the sound) to occur in the audio data (the default setting of [Buffer Size] is 256 samples/5 ms and [Kernel Buffers] is [3]).

- If the [Buffer Size] or [Kernel Buffers] number is made large, drops in the data (breaks in the sound), etc., occur less easily, but the time lag due to transmission delays in the audio data (latency) increases.

❖ If breaks in the sound occur with the default setting

1 Launch [DDJ_RX ASIO Settings Utility] and change [Kernel Buffers] to [4].

2 Set to the minimum [Buffer Size], with which breaks in the sound do not occur.

❖ If no breaks in the sound occur with the default setting

1 Launch [DDJ_RX ASIO Settings Utility] to set to the minimum [Buffer Size], with which breaks in the sound do not occur.

2 Change [Kernel Buffers] to [2], and check that no breaks occur in the sound.

3 If no breaks occur in the sound, set to the minimum [Buffer Size]. If breaks do occur in the sound, change [Kernel Buffers] to [3].

Checking the version of the driver software

For Windows 7

Click [All Programs] > [Pioneer] > [DDJ_RX] > [DDJ_RX Version Display Utility] from the Windows [Start] menu.

For Windows 8.1/Windows 8

From [Apps view], click [Pioneer] > [DDJ_RX Version Display Utility].

- You can check the firmware version of this unit on the screen.
- The firmware version is not displayed when this unit is not connected to the computer or when this unit and computer are not properly communicating.

Connections and part names

Connections

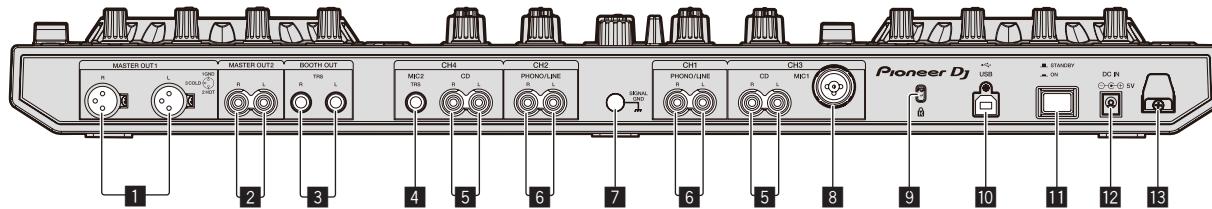
- Connect the AC adapter after all the connections between devices have been completed.
- Be sure to turn off the power and unplug the AC adapter from the power outlet before making or changing connections between devices.

Refer to the operating instructions for the component to be connected.

- Only use the AC adapter included with this unit.
- Power is supplied to this unit by the AC adapter.
- Connect this unit and the computer directly using the included USB cable.
- A USB hub cannot be used.
- Refer to the operating instructions for the component to be connected.

Names of Parts

❖ Rear panel



1 MASTER OUT 1 terminals

Connect powered speakers, etc., here.

- Compatible with XLR connector type balanced outputs.

- Connect the AC adapter after all the connections between devices have been completed.
- Only use the included AC adapter.

2 MASTER OUT 2 terminals

Connect to a power amplifier, etc.

- Compatible with RCA pin-jack type unbalanced outputs.

13 Cord hook

Catch the AC adapter's power cord and USB cable on this hook when using this unit.

- The sound will be interrupted if the AC adapter or USB cable is disconnected during playback.

3 BOOTH OUT terminals

Output terminals for a booth monitor, compatible with balanced or unbalanced output for a TRS connector.

The master channel sound can be output from the [BOOTH OUT] terminals regardless of the audio level set for the master channel.

- The sound will be distorted if the level is raised too high when using unbalanced outputs.
- The default setting of booth monitor output has been set to output the microphone sound. In the utilities mode, it is possible to set not to output the microphone sound.

⇒ *Setting the microphone output of the booth monitor (p.27)*

4 MIC2 terminal

Connects a microphone here.

- The [INPUT SELECT] switch on the main unit's front panel must be set to [MIC2].

5 CD terminals

Connect to a DJ player or other line level device.

- The [INPUT SELECT] switch on the main unit's front panel must be set to [CD].

6 PHONO/LINE input terminals

Connect to a phono level (for MM cartridge) output device such as an analog turntable or line level output device such as a DJ player. Depending on the device connected, the terminal function can be switched using the [INPUT SELECT] switch in the front of the unit.

7 SIGNAL GND terminal

Connect an analog turntable ground wire here. This helps reduce noise when the analog turntable is connected.

8 MIC1 terminal

Connects a microphone here.

- The [INPUT SELECT] switch on the main unit's front panel must be set to [MIC1].
- Either an XLR connector or a phones plug (Ø 6.3 mm) can be used.

9 Kensington security slot

10 USB terminal

Connect to a computer.

- Connect this unit and the computer directly using the included USB cable.
- A USB hub cannot be used.

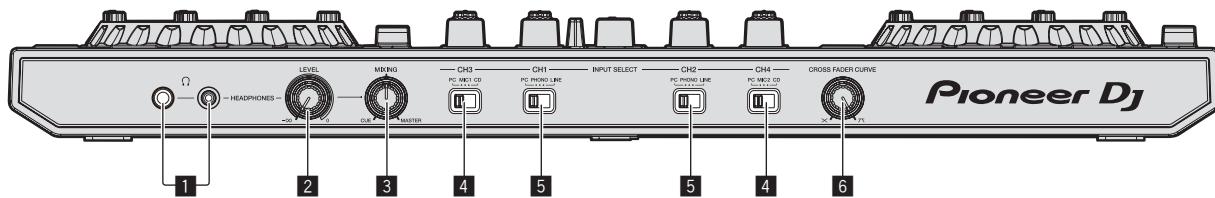
11 STANDBY/ON switch

This switches this unit's power between on and standby.

12 DC IN terminal

Connect to a power outlet using the included AC adapter (with the power plug mounted).

❖ Front panel



1 PHONES jacks

Connect headphones here.

Both stereo phone plugs (\varnothing 6.3 mm) and stereo mini phone plugs (\varnothing 3.5 mm) can be used.

- There are two input jacks, both a stereo phones jack and a mini phones jack, but do not use both simultaneously. If both are used simultaneously, when one is disconnected and/or connected, the volume of the other may increase or decrease suddenly.

2 HEADPHONES LEVEL control

Adjusts the audio level output from the [PHONES] terminal.

3 HEADPHONES MIX control

Adjusts the balance of the monitor volume between the sound of the channels for which the headphones [CUE] button is pressed and the sound of the master channel.

4 INPUT SELECT switch

Selects the input source of each channel from the components connected to this unit.

- [PC]: Select this to use the track loaded in the rekordbox dj deck.

- [MIC1] or [MIC2]: Select one of these to use the microphone connected to the [MIC1] or [MIC2] terminal.

- [CD]: Select this to use a line level output device (DJ player, etc.) connected to the [CD] terminals.

5 INPUT SELECT switch

Selects the input source of each channel from the components connected to this unit.

- [PC]: Select this to use the track loaded in the rekordbox dj deck.

- [PHONO]: Selected when using an phono level (for MM cartridge) output device such as an analog turntable connected to the [PHONO/LINE] input terminal.

- The sound is muted for approximately 3 seconds when switched to [PHONO].

- [LINE]: Select this to use a line level output device (DJ player, etc.) connected to the [PHONO/LINE] input terminals.

6 CROSS FADER CURVE selector switch

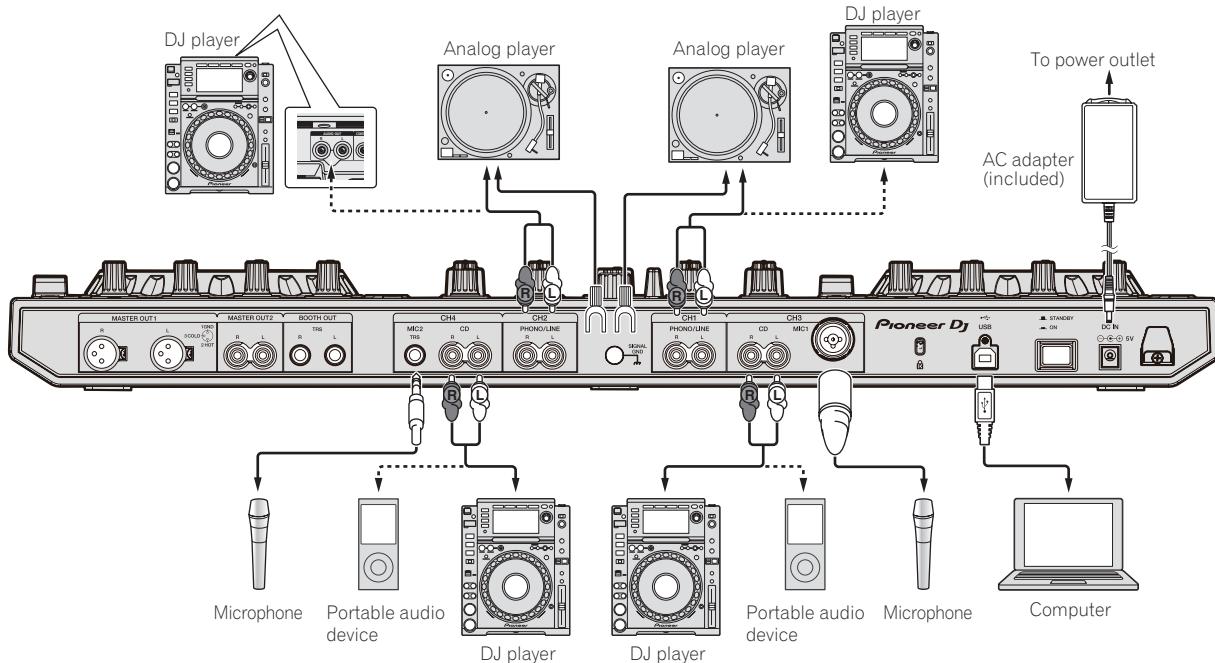
This switches the crossfader curve characteristics.

- The further the control is turned clockwise, the sharper the curve rises.
- The further the control is turned counterclockwise, the more gradually the curve rises.

Connecting the input/output terminals

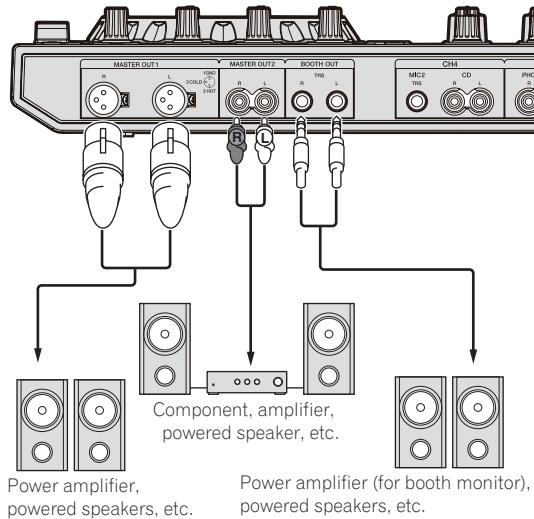
❖ Connecting input terminals

Rear panel

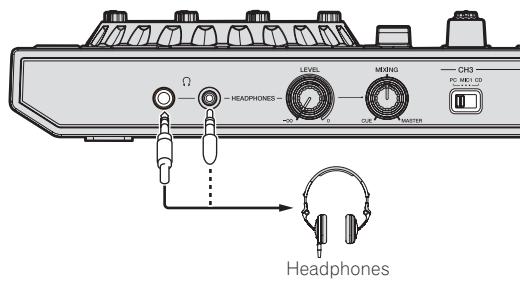


❖ Connecting output terminals

Rear panel



Front panel

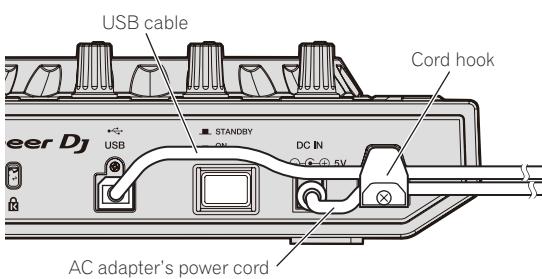


Cord hook

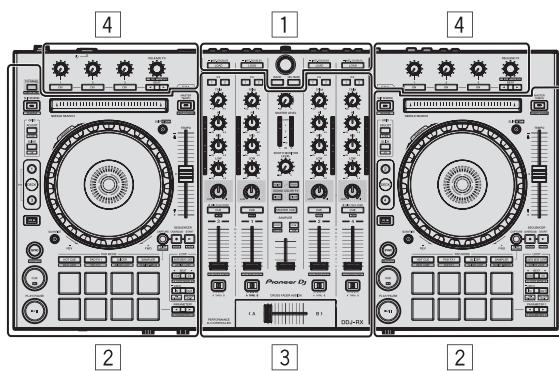
Hook the USB cable in the top of the cord hook, the AC adapter's power cord in the bottom.

Fasten the AC adapter's power cord and USB cable in place by hooking them on the cord hook. This prevents the power cord and USB cable from being accidentally pulled and the plugs from being disconnected from the terminals.

- Do not fasten with the base of the AC adapter's power cord bent. If used continuously under these conditions, the power cord may be damaged, resulting in faulty contact.
- The sound will be interrupted if the AC adapter or USB cable is disconnected during playback.



Part names and functions



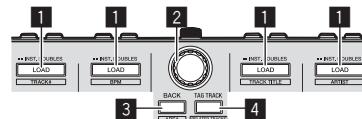
1 Browser section

2 Deck section

3 Mixer section

4 Effect section

Browser section



1 LOAD button

Press:

The selected tracks are loaded to the respective decks.

- When the [LOAD] button is pressed twice, the tracks loaded in the selected deck on the opposite side are loaded into the deck whose [LOAD] button was pressed. When this is done while a track is playing, the track is played from the same position. (Instant Doubles)

[SHIFT] + press:

The library's track list is sorted when one of the [LOAD] buttons is pressed.

Sorts by track number.

Sorts by BPM.

Sorts by track title in alphabetical order.

Sorts by artist.

2 Rotary selector

Turn:

Moves up or down the cursor in the tree view or track list.

Press:

Moves the cursor between the tree view and track list each time the rotary selector is pressed.

- When the playlist palette is displayed, the cursor moves between playlists in addition to the tree view and track list.
- The tree view, track list and playlist palette are in the browse section of rekordbox dj. For each function, see the rekordbox software's manual.

3 BACK button

Press:

Moves the cursor between the tree view and track list each time the button is pressed.

- When the playlist palette is displayed, the cursor moves between playlists in addition to the tree view and track list.
- The tree view, track list and playlist palette are in the browse section of rekordbox dj. For each function, see the rekordbox software's manual.

[SHIFT] + press:

Switches the display of the browse section of rekordbox dj.

4 TAG TRACK button

Press:

Adds tracks to the tag list.

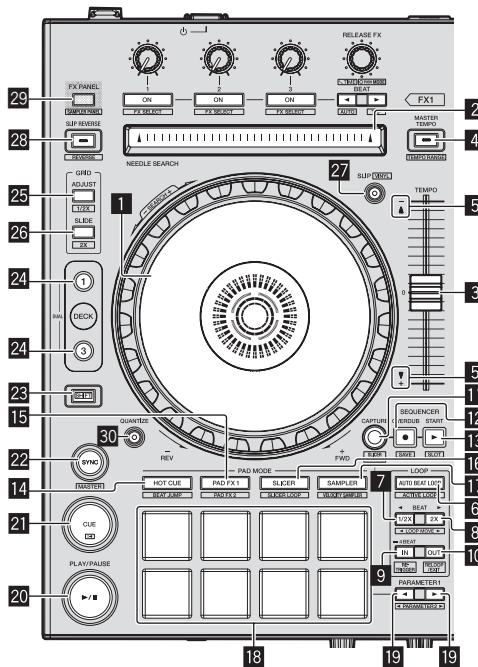
- You can temporarily collect the music files to be played in the rekordbox tag list separately from the playlist.

[SHIFT] + press:

Displays the tracks whose BPM and key are similar to those of the track currently being played as the candidate to be played next on the screen.

Deck section

This section is used to control the four decks. The buttons and controls for operating decks 1 and 3 are located on the left side of the controller, those for operating decks 2 and 4 are located on the right side of the controller.



1 Jog dial

Turn top:

When the vinyl mode is on, the scratch operation is possible.

When the vinyl mode is off, the pitch bend operation (adjustment of the playing speed) is possible.

Turn outer section:

The pitch bend operation (adjustment of the playing speed) is possible.

[SHIFT] + Turn top:

Skips the playback position.

2 NEEDLE SEARCH pad

Jumps to the desired position in the track loaded in the deck by touching the pad during pause.

- It can jump to the desired position during playback depending on the [Preferences] of rekordbox.

3 TEMPO slider

Use this to adjust the track playing speed.

4 MASTER TEMPO button

Press:

Turns the master tempo function on or off.

When the master tempo function is on, the key does not change even when the playback speed is changed with the [TEMPO] slider.

The sound is digitally processed, so the sound quality decreases.

[SHIFT] + press:

The [TEMPO] slider's range of variation switches each time the button is pressed.

→[±6%]→[±10%]→[±16%]→ [WIDE]→

5 Takeover indicator

When decks are switched while the sync function is off, the position of the controller's [TEMPO] slider may not match the software's tempo (pitch). To regain control of the tempo from the controller, adjust using the [TAKEOVER] indicator as reference. Slowly move the [TEMPO] slider in the direction in which the [TAKEOVER] indicator lights. When moved to the position at which the [TAKEOVER] indicator turns off, the [TEMPO] slider's position matches the software's tempo (pitch) and the tempo can once again be controlled with the [TEMPO] slider.

6 AUTO BEAT LOOP button

Press:

Turns the auto beat loop function on and off.

- During loop playback, this operation cancels looping.

[SHIFT] + press:

Switches the loop saved in the track between active and non-active. (Active Loop)

- If the button is pressed while pressing the [SHIFT] button during playback, the loop set closest to the playback position among the loops saved in the track will be active.
- If the button is pressed while pressing the [SHIFT] button when a loop saved in the track is called out, the loop will be active or inactive.

7 LOOP 1/2X button

Press:

Selects a beat for auto beat loop.

Halves the loop playback length.

[SHIFT] + press:

During loop playback, moves the loop to the left by the amount equal to its length. (Loop Move)

8 LOOP 2X button

Press:

Selects a beat for auto beat loop.

Doubles the loop playback length.

[SHIFT] + press:

During loop playback, moves the loop to the right by the amount equal to its length. (Loop Move)

9 LOOP IN button

Press:

Loop In Point is set.

When this button is pressed during loop playback, the loop in point can be fine-adjusted using the jog dial.

[SHIFT] + press:

The track returns to the set loop in point and loop playback continues.

Press for over 1 second:

Turns the auto 4-beat loop on.

10 LOOP OUT button

Press:

The loop out point is set, and loop playback begins.

When this button is pressed during loop playback, the loop out point can be fine-adjusted using the jog dial.

[SHIFT] + press:

Cancels loop playback. (Loop Exit)

After loop playback is canceled, playback returns to the previously set loop in point and loop playback resumes. (Reloop)

11 CAPTURE button

Press a performance pad while pressing the [CAPTURE] button to load the active loop to the sampler slot.

[SHIFT] + press:

Loads the sections in the target area of slicer or slicer loop to separate sampler slots.

- For details on slicer and slicer loop, see *Using the Slicer function* on page 18 and the rekordbox software's manual.

12 SEQUENCER OVERDUB button

Press:

Turns the sequencer on standby for recording.

Recording operation information (sequence) is started if the sampler is operated when the sequencer is on standby for recording. Press the button again to stop recording.

[SHIFT] + press:

Saves the recorded sequence to the sequencer slot.

13 SEQUENCER START button

Starts the sequence playback when the sequence recording is stopped.

Overdubs the new sequence onto the sequence being played back while recording a sequence.

[SHIFT] + press:

Selects the sequencer slot.

14 HOT CUE mode button

Press:

Sets the hot cue mode.

[SHIFT] + press:

Sets the beat jump mode.

15 PAD FX 1 mode button

Press:
Sets the pad FX mode 1.

[SHIFT] + press:
Sets the pad FX mode 2.

16 SLICER mode button

Press:
Sets the slicer mode.

[SHIFT] + press:
Sets the slicer loop mode.
• To cancel the slicer or slicer loop mode, press the [PAD FX 1] mode, [SAMPLER] mode or [HOT CUE] mode button.

17 SAMPLER mode button

Press:
Sets the sampler mode.

[SHIFT] + press:
Sets the velocity sampler mode.

18 Performance pads

Controls the "hot cue", "pad FX", "slicer", "sampler" and other functions.
↳ Using the performance pads (p.18)

19 PARAMETER◀ button, PARAMETER▶ button

Sets parameters for the "pad FX", "slicer", "sampler" and other functions.
↳ Using the performance pads (p.18)

20 PLAY/PAUSE ▶/II button

Press:
Use this to play/pause tracks.

21 CUE button

Press:
Sets, plays and calls out cue points.
• When the [CUE] button is pressed during pause, the cue point is set.
• When the [CUE] button is pressed during playback, the track returns to the cue point and pauses. (Back Cue)
• When the [CUE] button is pressed and held after the track returns to the cue point, playback continues as long as the button is pressed. (Cue Sampler)
• When the [PLAY/PAUSE ▶/II] button is pressed during Cue Sampler, playback continues from that point.

[SHIFT] + press:
Returns the playback position to the beginning of the track.

22 SYNC button

Press:
Synchronizes with the tempos (pitches) and beat grids of the deck set as the master for synchronization automatically.

[SHIFT] + press:
Sets the deck whose button is pressed as the master deck for synchronization.

23 SHIFT button

When another button is pressed while pressing the [SHIFT] button, a different function is called out.

24 DECK button

Press:
Switches the deck to be operated.

Pressing the [DECK3] button while holding down the [DECK1] button or pressing the [DECK1] button while holding down the [DECK3] button:
Turns on DUAL DECK mode on the left deck.

Pressing the [DECK4] button while holding down the [DECK2] button or pressing the [DECK2] button while holding down the [DECK4] button:
Turns on DUAL DECK mode on the right deck.

25 GRID ADJUST button

Press:
When the jog dial is turned while pressing the [GRID ADJUST] button, the beat grid interval can be adjusted.

[SHIFT] + press:
The BPM value is divided by 1/2 (doubling the beat grid's spacing).

26 GRID SLIDE button

Press:
When the jog dial is turned while pressing the [GRID SLIDE] button, the overall beat grid can be slid to the left or right.

[SHIFT] + press:
The BPM value is multiplied by 2 (reducing the beat grid's spacing by 1/2).

27 SLIP button

Turns the slip mode on and off.
↳ Using the slip mode (p.20)

[SHIFT] + press:
Turns the vinyl mode on and off.

28 SLIP REVERSE button

Press:
Plays the track in the reverse direction while the [SLIP REVERSE] button is pressed, and resumes normal playback when the button is released.
• Even during playback in the reverse direction, normal playback continues in the background. When the button is released, playback resumes from the point reached in the background.
• Slip reverse play is automatically canceled after 8 beats have elapsed even if the [SLIP REVERSE] button is kept pressed. The playback returns to normal after reverting to the background.

[SHIFT] + press:

Starts reverse playback. When the [SHIFT] and [SLIP REVERSE] buttons are pressed again, reverse playback is canceled and normal playback resumes.

29 FX PANEL button

Press:
Displays the FX panel.
[FX] panel-[CFX] panel display off → [FX] panel → [CFX] panel → [FX] panel + [CFX] panel → back to [FX] panel-[CFX] panel display off

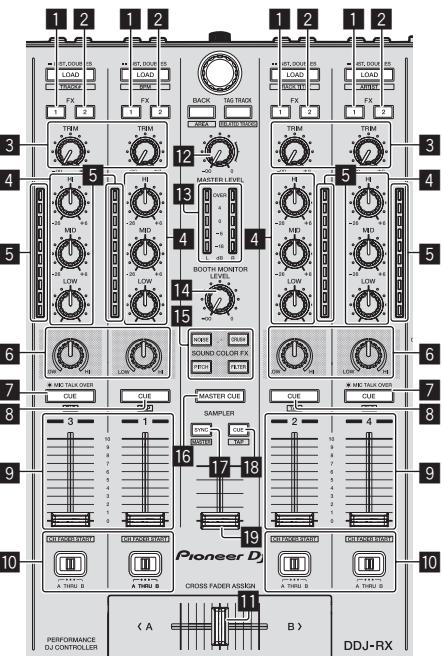
[SHIFT] + press:

Displays the sampler panel.
Sampler panel display off → sampler panel → back to sampler panel display off

30 QUANTIZE button

Turns the quantize function on.
For example, when the quantize function is turned on, the point is automatically set to the nearest beat position when a hot cue is set.
— The resolution of the quantized beat can be selected in the [Preferences] of rekordbox.

Mixer section



10 Crossfader Assign Switch

Assigns the channel output to the crossfader.

[A]: Assigns to [A] (left) of the crossfader.

[B]: Assigns to [B] (right) of the crossfader.

[THRU]: Selects this when you do not want to use the crossfader. (The signals do not pass through the crossfader.)

- If microphone sound is selected using the [INPUT SELECT] switch of channel 3 or channel 4, even through the crossfader assign switch is switched, the sound of that channel cannot be assigned to the crossfader.

11 Crossfader

Outputs the sound assigned with the crossfader assign switch.

[SHIFT] + move:

Uses the crossfader start function.

⇒ *Using the crossfader start function (p.22)*

12 MASTER LEVEL control

Adjusts the master sound level output.

13 Master level indicator

Displays the master output's audio level.

14 BOOTH MONITOR LEVEL control

Adjusts the level of audio signals output from the [BOOTH OUT] terminal.

15 SOUND COLOR FX buttons

Turns SOUND COLOR FX on and off.

16 MASTER CUE button

Turns monitoring of the master output's sound on and off.

17 SAMPLER SYNC button

Synchronizes the sampler deck's tempo with the master deck's tempo.

- Only a sampler slot with the PLAY mode set to [Loop] synchronizes the tempo with the master deck's tempo.

[SHIFT] + press:

Sets the sampler deck as the master for synchronization.

18 SAMPLER CUE button

Turns monitoring of the sampler deck's sound on or off.

[SHIFT] + press:

Sets the sampler deck's tempo by tapping the button.

- Only a sampler slot with the PLAY mode set to [Loop] will be the same tempo as the BPM value on the sampler panel.

19 SAMPLER VOLUME fader

Adjusts the sampler's overall sound level.

Mixer section

1 FX 1 assign button

Turns effect unit FX1 on and off for the respective channel.

2 FX 2 assign button

Turns effect unit FX2 on and off for the respective channel.

3 TRIM control

Adjusts the individual channel output gain.

4 EQ (HI, MID, LOW) controls

Boosts or cuts frequencies for the different channels.

5 Channel Level Indicator

Displays the sound level of the respective channels before passing through the channel faders.

6 COLOR control

This changes the parameters of the SOUND COLOR FX of the different channels.

7 Headphones CUE/MIC TALK OVER button

Press:

The sound of channels for which the headphones [CUE] button is pressed is output to the headphones.

- When the headphones [CUE] button is pressed again, monitoring is canceled.

When the [INPUT SELECT] switch for channel 3 or 4 is set to [MIC1] or [MIC2], the talkover function can be turned on or off.

When the talkover function is on, the headphones [CUE/MIC TALK OVER] button flashes. When a sound of over -15 dB is input to the microphone, the sound other than that of the microphone is attenuated by approximately 20 dB.

- The talkover function for both the microphone connected to the [MIC1] terminal and the microphone connected to the [MIC2] terminal can be turned on and off by pressing the headphones [CUE/MIC TALK OVER] button for either channel 3 or channel 4.

[SHIFT] + press:

The track's tempo can be set by tapping the button. (Tap function)

8 Headphones CUE button

Press:

The sound of channels for which the headphones [CUE] button is pressed is output to the headphones.

- When the headphones [CUE] button is pressed again, monitoring is canceled.

[SHIFT] + press:

The track's tempo can be set by tapping the button. (Tap function)

9 Channel fader

Move:

Adjusts the level of audio signals output in each channel.

[SHIFT] + move:

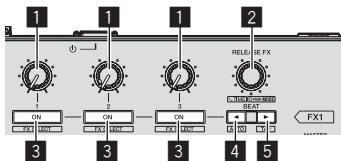
Use the channel fader start function.

⇒ *Using the channel fader start function (p.22)*

Effect section

This section is used to control the two effect units (FX1 and FX2). Controls and buttons used to operate the FX1 unit are located on the left side of the controller, those used to operate the FX2 unit are located on the right side of the controller. The channels to which the effect is to be applied are set using the effect assign buttons on the mixer section.

The effect units consist of beat FX and release FX.



1 Effect parameter controls

Adjusts the beat FX parameter.

2 RELEASE FX control

Turn:

Switches the types of release FX.

Press:

The release FX is on while the control is pressed.

- If the release FX turns on, the beat FX in the same effect unit turns off.

[SHIFT] + turn:

Adjusts the beat FX time parameter.

[SHIFT] + press:

Switches the beat FX mode.

3 Effect parameter buttons

Press:

Turns the beat FX on and off or switches the parameters.

[SHIFT] + press:

Switches the types of beat FX.

4 BEAT◀ button

Decreases the beat fraction for synchronizing the beat FX effect sound each time the button is pressed.

[SHIFT] + press:

Sets the beat FX tempo mode to the BPM auto mode. The track's BPM value is used as the basis for the effect's tempo.

5 BEAT▶ button

Increases the beat fraction for synchronizing the beat FX effect sound each time the button is pressed.

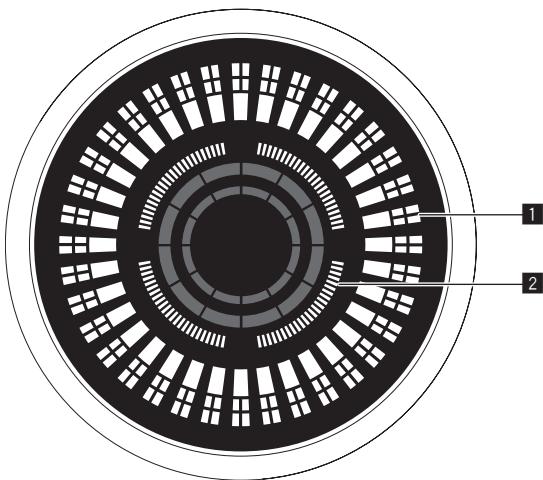
[SHIFT] + press:

Sets the beat FX tempo mode to the BPM tap mode. The BPM value used as the basis for beat FX is calculated by the interval at which the button is tapped.

❖ To monitor the effect sounds

Depending on the effect type, the effect sounds of rekordbox dj are not output to the channel whose headphones [CUE] button is pressed when the [HEADPHONES MIX] control is turned to the [CUE] side. To monitor the effect sounds of rekordbox dj, turn the [HEADPHONES MIX] control to the [MASTER] side and turn on the [MASTER CUE] button, then monitor the effect sounds with the master output's sound.

Jog dial display section



1 Operation display

Synchronizes with the platter display of rekordbox dj. One rotation equals to one rotation of the platter.

For display, separate patterns can be stored for decks 1 or 2, and decks 3 or 4, respectively, and one of five patterns can be selected.

⇒ *Switching illumination mode in the white area of the jog dial* (p.27)

- During sensitivity adjustment of the touch sensor of the jog dial, the set sensitivity is indicated.

2 On Air display/slip play display

The indicator lights when the sound of the deck being operated can be output as the master sound.

- As with the [SLIP] button, it is possible to display the slip status.

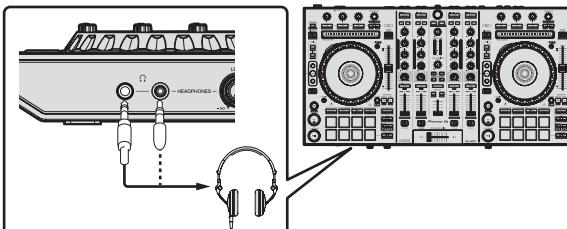
⇒ *Switching the illumination mode in the red area of the jog dial* (p.28)

- The displayed contents do not depend on the [Preferences] of rekordbox.

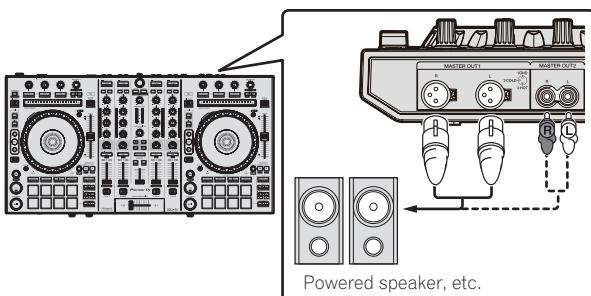
Basic Operation

Connections

1 Connect headphones to one of the [PHONES] terminals.

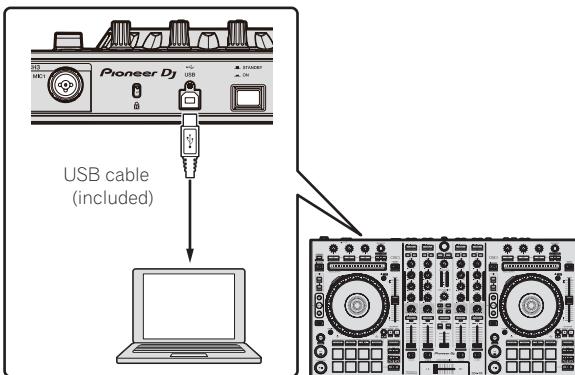


2 Connect powered speakers, a power amplifier, components, etc., to the [MASTER OUT 1] or [MASTER OUT 2] terminals.



- To output the sound from the [BOOTH OUT] terminals, connect speakers or other devices to the [BOOTH OUT] terminals.
- For details on the connections of the input/output terminals, see *Connections* (p.7).

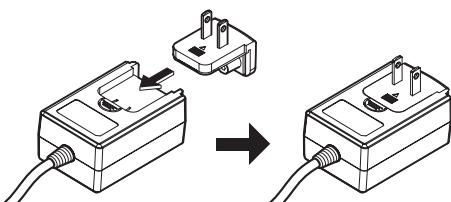
3 Connect this unit to your computer via a USB cable.



4 Turn on the computer's power.

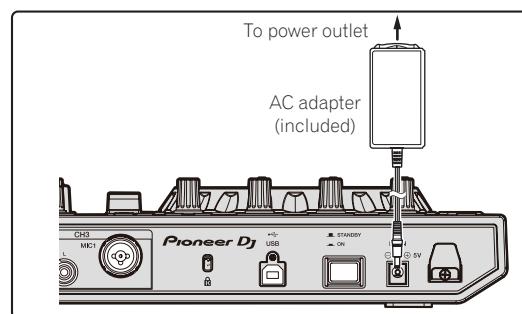
5 Connect the power plug to the AC adapter.

Slide the power plug into the AC adapter's guide rails as shown on the diagram and press in until a click is heard.

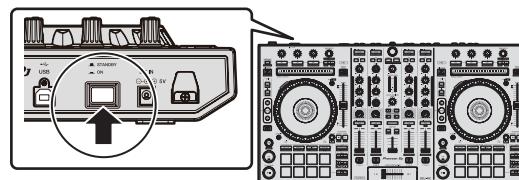


- For detailed cautions on the AC adapter, see *About the AC adapter* (p. 4).
- The shape of the plug differs according to the region in which the unit is sold.

6 Connect the AC adapter.



7 Press the [STANDBY/ON] switch on this unit's rear panel to turn this unit's power on.



Turn on the power of this unit.

- For Windows users
The message [**Installing device driver software**] may appear when this unit is first connected to the computer or when it is connected to a different USB port on the computer. Wait a while until the message [**Your devices are ready for use**] appears.
- For Mac OS X users
When this unit is connected to a computer for the first time, the computer occasionally cannot recognize this unit. In that case, disconnect the USB cable connecting the unit and the computer, start the utilities software for Mac OS X "Audio MIDI Setup", and display the [**MIDI Window**] or [**MIDI studio**]. After selecting the [**DDJ-RX**] icon, click [**Remove Device**]. (The [**USB MIDI Device**] icon may be displayed instead of the [**DDJ-RX**] icon. In that case, select [**USB MIDI Device**].) Then, connect this unit to the computer using the USB cable.

8 Turn on the power of the devices connected to the output terminals (powered speakers, power amplifier, components, etc.).

- When a microphone, DJ player or other external device is connected to input terminals, the power of that device also turns on.

Starting the system

Launching rekordbox

This manual consists mainly of explanations of functions of this unit as hardware. For detailed instructions on operating rekordbox dj, see the rekordbox software's manual.

When the rekordbox software is started up for the first time, enter the rekordbox dj license key and activate the software. Prepare the rekordbox dj license key included with this unit.

- For instructions on the activation, see the rekordbox software's manual.
- There is no need for this product's users to purchase the rekordbox dj license key separately.

For Windows 7

From the Windows [Start] menu, click the [rekordbox X.X.X] icon under [All Programs] > [Pioneer] > [rekordbox X.X.X].

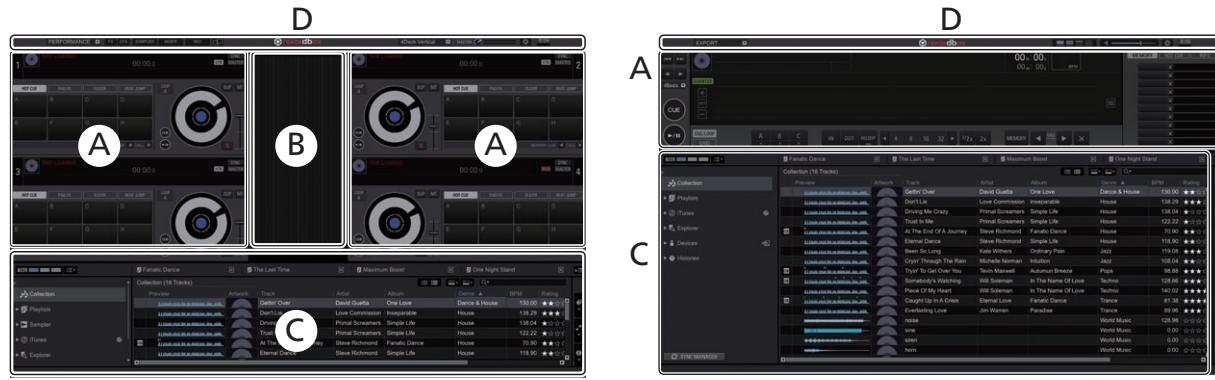
For Windows 8/Windows 8.1

From [Apps view], click the [rekordbox X.X.X] icon.

For Mac OS X

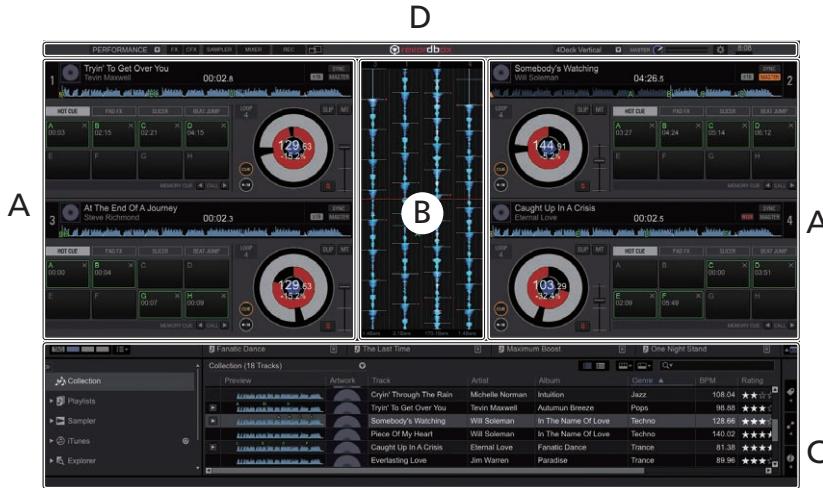
Open the [Applications] folder in Finder, then click the [rekordbox] icon.

The screen displayed immediately after the rekordbox software is started on the computer (the screen on the right shows the [EXPORT] mode in which the operations equivalent to the previous rekordbox 3 are possible.)



Computer screen when a track is loaded in rekordbox dj

Select the desired layout from the pull-down menu for the layout selection at the upper right of the computer screen.



A Track deck section

The track information (the name of the loaded track, artist name, BPM, etc.), the overall waveform and other information is displayed here.

B Enlarged waveform section

The loaded track's waveform is displayed here.

C Browse section

Displays the track list, tree view, and playlist palette.

D Global section

Displays the display status of effect panel and sampler panel, and the level of the master sound, etc.

Adding music files to [Collection]

“Collection” is music files that are managed by rekordbox. Music files on the computer can be used with rekordbox if they are analyzed and registered as rekordbox music collection files.

1 Click [Collection] in the tree view.

The [Collection] music files are displayed in the track list.

2 Open Finder or Windows Explorer and drag and drop music files and/or folders, where music files are stored, to the track list.

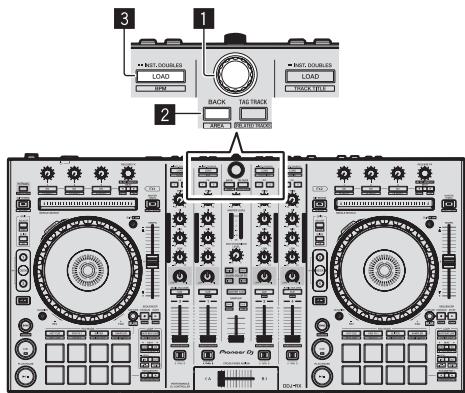
The music files are added to the collection, and the waveform information analysis of the music files starts. Wait until the analysis of all the music files are finished.



a Track list

Loading tracks and playing them

The following describes the procedure for loading tracks into deck [1] as an example.



1 Rotary selector

2 BACK button

3 LOAD button

1 Press this unit’s [BACK] button, move the cursor to the tree view on the computer screen, then turn the rotary selector and select a collection or playlist, etc.

2 Press the rotary selector, move the cursor to the track list on the computer screen, then turn the rotary selector and select a track.



a Track list

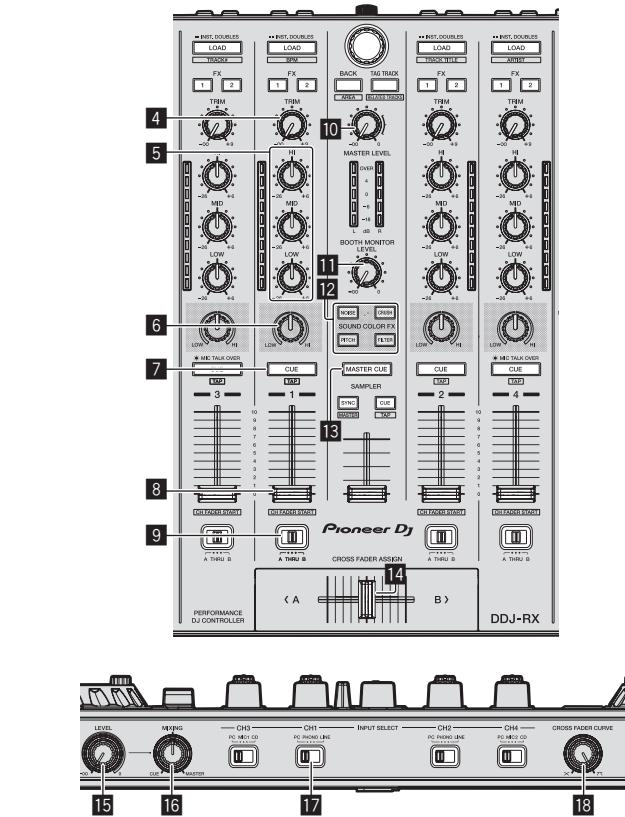
b Tree View

3 Press the [LOAD] button to load the selected track onto the deck.

Playing tracks and outputting the sound

The following describes the procedure for outputting the channel 1 sound as an example.

- Set the volume of the devices (power amplifier, powered speakers, etc.) connected to the [MASTER OUT 1] and [MASTER OUT 2] terminals to an appropriate level. Note that loud sound will be output if the volume is set too high.



4 TRIM control

5 EQ (HI, MID, LOW) controls

6 COLOR control

7 Headphones CUE button

8 Channel fader

9 Crossfader Assign Switch

10 MASTER LEVEL control

11 BOOTH MONITOR LEVEL control

12 SOUND COLOR FX buttons

13 MASTER CUE button

14 Crossfader

15 HEADPHONES LEVEL control

16 HEADPHONES MIX control

17 INPUT SELECT switch

18 CROSS FADER CURVE control

1 Set the positions of the controls, etc., as shown below.

Names of controls, etc.	Position
MASTER LEVEL control	Turned fully counterclockwise
TRIM control	Turned fully counterclockwise
EQ (HI, MID, LOW) controls	Center
COLOR control	Center
Channel fader	Moved forward
Crossfader Assign Switch	[THRU] position
INPUT SELECT switch	[PC] position

2 Press the [▶/II] button to play the track.



3 Move the channel fader away from you.

4 Turn the [TRIM] control.

Adjust [TRIM] so that the orange indicator on the channel level indicator lights at the peak level.

5 Turn the [MASTER LEVEL] control to adjust the audio level of the speakers.

Adjust the sound level output from the [MASTER OUT 1] and [MASTER OUT 2] terminals to an appropriate level.

Monitoring sound with headphones

Set the positions of the controls, etc., as shown below.

Names of controls, etc.	Position
HEADPHONES MIX control	Center
HEADPHONES LEVEL control	Turned fully counterclockwise

1 Press the headphones [CUE] button for the channel 1.

2 Turn the [HEADPHONES LEVEL] control.

Adjust the sound level output from the headphones to an appropriate level.



Note

This unit and rekordbox dj are equipped with variety of functions to allow for more individualistic DJ performances. For each function, see the rekordbox software's manual.

- The rekordbox software manual can be downloaded from "rekordbox.com". For details, see *Downloading the rekordbox software manual* (p. 31).

Quitting the system

1 Quit rekordbox.

2 Press the [STANDBY/ON] switch on this unit's rear panel to set this unit's power to standby.

3 Disconnect the USB cable from your computer.

Advanced Operation

The descriptions from this point on are for functions that are specific for when this unit and rekordbox dj are used in combination and are not described in the rekordbox software's manual.

Using the performance pads

Use the pad mode buttons ([HOT CUE] mode button, [PAD FX 1] mode button, [SLICER] mode button and [SAMPLER] mode button) to switch the functions.

Using hot cues

Playback can be started instantaneously from the position at which a hot cue is set. In addition to hot cues, loops can be set and called out instantaneously.

- Up to eight hot cue points can be set and saved per track.

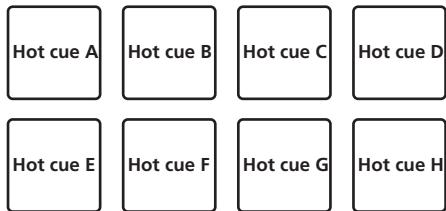
❖ Setting and calling out a hot cue

1 Press the [HOT CUE] mode button.

Switches to hot cue mode.

2 In the play or pause mode, press a performance pad to set the hot cue point.

The hot cue points are assigned to the respective performance pads as shown below.



3 Press the performance pad at which the hot cue point was set.

Playback starts from the hot cue point.

- Set hot cue points can be cleared by pressing a performance pad while pressing the [SHIFT] button.

❖ Setting and calling out an auto beat loop

1 Press the [HOT CUE] mode button.

Switches to hot cue mode.

2 Press the [LOOP 1/2X] or [LOOP 2X] button.

Selects a beat for auto beat loop.

3 Press the [AUTO BEAT LOOP] button during playback.

A loop with the specified number of beats is set and loop playback starts.

4 Press the performance pad to set a loop during loop playback.

5 Press the performance pad at which the loop is set.

Loop playback starts from the loop in point of the set loop.

- The set loop can be cleared by pressing the performance pad while pressing the [SHIFT] button.

❖ Setting and calling out a manual loop

1 Press the [HOT CUE] mode button.

Switches to hot cue mode.

2 Press the [LOOP IN] button during playback, and then press the [LOOP OUT] button.

Loop playback starts.

3 Press the performance pad to set a loop during loop playback.

4 Press the performance pad at which the loop is set.

Loop playback starts from the loop in point of the set loop.

- The set loop can be cleared by pressing the performance pad while pressing the [SHIFT] button.

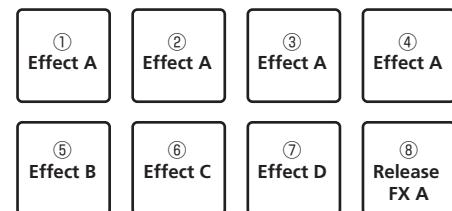
Using the pad FX

A wide range of effect performances are possible with just the simple operation of pressing and releasing performance pads.

1 Press the [PAD FX 1] mode button.

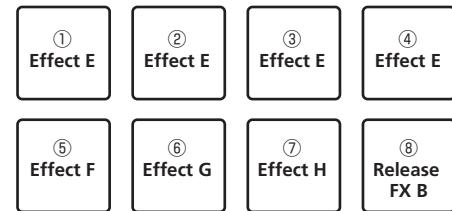
The mode switches to pad FX mode 1.

Effects are assigned to the performance pads as shown below.



- If the [PAD FX 1] mode button is pressed while pressing the [SHIFT] button, the mode changes to pad FX mode 2.

Effects are assigned to the performance pads as shown below.



- Effects assigned to the performance pads can be customized (effects applied to pad 1 are also applied to the pads 2 to 4). For details, see the rekordbox software's manual.

- The type of release FX assigned to pad 8 cannot be changed by turning the unit's [RELEASE FX] control.

To change the release FX type assigned to pad 8, use rekordbox dj. For details, see the rekordbox software's manual.

2 Press and hold one of the performance pads.

The effect turns on according to the effect and number of beats settings assigned to the pad that was pressed.

3 Press the [PARAMETER ▲] button or [PARAMETER ▼] button while pressing the performance pad.

The number of beats setting for the effect temporarily increases or decreases.

- Depending on the type of effect, changing the setting may not be possible even by pressing the button.

4 Release your finger from the performance pad.

The effect turns off.

❖ Using the release FX of the pad FX

1 Press and hold one of performance pads 1 to 7.

The effect turns on according to the effect and number of beats settings assigned to the pad that was pressed.

2 Press performance pad 8.

The pad FX effect that was on up until now turns off and the release FX effect is added.

Using the Slicer function

The specified range is divided into eight equal sections, and these eight sliced sections are assigned to the respective performance pads. While one of the performance pads is pressed, the sound for the section assigned to that pad is played in a loop.

During loop playback of the pad's sound, normal playback with the original rhythm continues in the background. When the pad is released and loop playback ends, playback resumes from the position reached at that point.

1 Press the [SLICER] mode button.

Switches to slicer mode.

- While pressing the [SHIFT] button, pressing the [SLICER] mode button switches the mode to slicer loop mode.

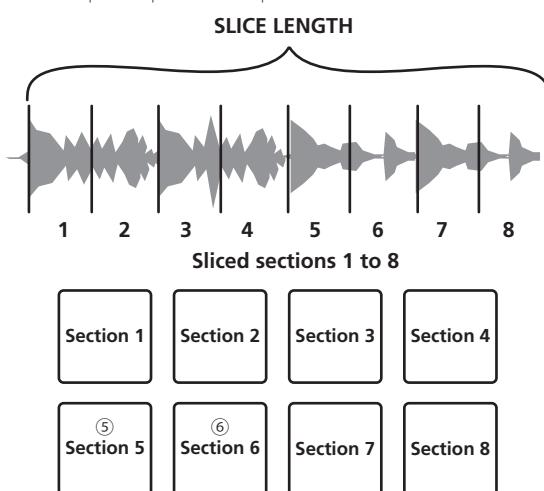
⇒ About slicer mode and slicer loop mode (p.19)

2 Press the [PARAMETER◀] or [PARAMETER▶] button while pressing the [SHIFT] button.

Set the slicer's "SLICE LENGTH".

The setting value of SLICE LENGTH changes each time the button is pressed while pressing the [SHIFT] button.

Equally-divided eight sections of the range specified with "SLICE LENGTH" are assigned to the respective performance pads as shown below.



3 Press the [PARAMETER◀] or [PARAMETER▶] button.

Set slicer's "SLICE ROLL". The setting value of SLICE ROLL changes each time the button is pressed.

The loop playback length while the pad is pressed can be changed with the "SLICE ROLL" setting. For example, when "1/4" is set to "SLICE ROLL", only the first quarter of the section assigned to the pad is played in a loop.

4 Press pad 5 or pad 6 while pressing the [SHIFT] button.

If pad 5 is pressed while pressing the [SHIFT] button, the slicer's target area moves to the left.

Also, if pad 6 is pressed while pressing the [SHIFT] button, the slicer's target area moves to the right (slice shift).

5 Press and hold one of the performance pads.

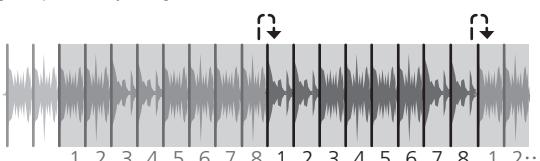
When the pad is pressed and held, the sound is played in a loop.

- The loop playback length differs depending on the "SLICE ROLL" setting. When the pad is released, the track returns to the position that is playing in the background.

❖ About slicer mode and slicer loop mode

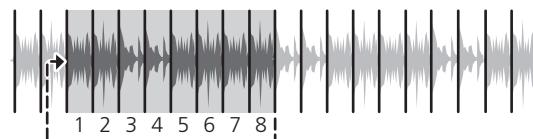
Slicer mode

When the playback position advances to the end of the range that has been sliced into eight equal sections, the range shown on the display switches to the next eight sliced sections, and these sliced sections are assigned to the respective pads, replacing the previously assigned sections.



Slicer loop mode

When the playback position advances to the end of the range that was sliced into eight equal parts, the playback position returns to the beginning of the range that was sliced into eight equal parts.



Using the sampler function

This procedure can be used to play tracks loaded in the sampler's sampler slots using the performance pads.

❖ Preparing to use the sampler

● Press the [FX PANEL] button while pressing the [SHIFT] button.

The sampler panel appears on the rekordbox dj screen.

A track, loop, and slicer target area can be loaded in sampler slots.

❖ Load the track in a sampler slot.

1 Press the [SAMPLER] mode button.

Switches to the sampler mode.

2 Press the rotary selector or [BACK] button to move the cursor to the track list.

3 Turn the rotary selector.

Select the track you wish to load in a sampler slot.

4 Press the performance pad while pressing the [SHIFT] button.

The selected track is loaded into the sample slot.

- Loading by overwriting an already loaded sampler slot may not be possible depending on the [Preferences] of rekordbox.

❖ Loading a loop in a sampler slot.

1 Press the [AUTO BEAT LOOP] button, or press the [LOOP IN] button and then the [LOOP OUT] button during track playback.

Loop playback starts.

2 Press a performance pad while pressing the [CAPTURE] button.

The pad mode is temporarily switched to the sampler mode and the loop is loaded in a sampler slot.

- Loading by overwriting an already loaded sampler slot may not be possible depending on the [Preferences] of rekordbox.

❖ Loading the slicer target area in sampler slots

1 Press the [SLICER] mode button while pressing the [SHIFT] button during track playback.

The mode switches to the slicer loop mode.

- Alternatively, press the [SLICER] mode button to switch to the slicer mode.

2 Press the [CAPTURE] button while pressing the [SHIFT] button.

Each of the sections of the slicer target area is loaded in a separate sampler slot.

- It is loaded to the sampler bank 4 by default.
If there is even one sampler slot already loaded in sampler bank 4, loading may not be possible.

❖ Using the performance pads to play the sampler

1 Press the [SAMPLER] mode button.

Switches to the sampler mode.

2 Press the [PARAMETER◀] or [PARAMETER▶] button.

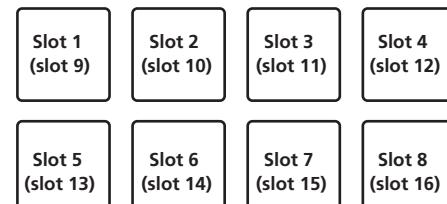
The sampler bank is switched. The sampler has four banks and each bank has sixteen slots.

3 Move the [SAMPLER VOLUME] fader to the far side.

4 Press a performance pad.

The sound for the slot assigned to the pad that was pressed is played.

- When the pad mode of deck 1 or deck 3 is the sampler mode, sampler slots are assigned to the respective performance pads as shown below. (The slots in parentheses are for when the pad mode of deck 2 or deck 4 is the sampler mode)



5 During playback, press a performance pad.

Playback continues by returning to the beginning.

6 Press a performance pad while pressing the [SHIFT] button during playback.

The sound of the slot that is currently playing stops.

Using beat jump

The playback position can be moved instantaneously without breaking the rhythm of the track being played back.

1 Press the [HOT CUE] mode button while pressing the [SHIFT] button.

The mode switches to the beat jump mode.

2 Press the [PARAMETER◀] or [PARAMETER▶] button.

The movement amount (number of beats or number of bars) of the playback position assigned to the performance pad changes each time a button is pressed.

The following nine settings can be made. (The operations are the same as when the left/right buttons of [page*] on the track deck screen are clicked.)

page1	FINE/1/8 beat/1/4 beat/1/2 beat
page2	1/8 beat/1/4 beat/1/2 beat/1 beat
page3	1/4 beat/1/2 beat/1 beat/2 beats
page4	1/2 beat/1 beat/2 beats/4 beats
page5	1 beat/2 beats/4 beats/8 beats
page6	2 beats/4 beats/8 beats/16 beats
page7	4 beats/8 beats/16 beats/8 bars
page8	8 beats/16 beats/8 bars/16 bars
page9	16 beats/8 bars/16 bars/32 bars

For example, when set to "1 beat from 1/8 beat", the pad's setting is as shown below.



3 Press the [PARAMETER◀] or [PARAMETER▶] button while pressing the [SHIFT] button.

The amount of movement (number of beats or number of bars) of the playback position assigned to the performance pad changes each time the [PARAMETER◀] or [PARAMETER▶] button is pressed while pressing the [SHIFT] button.

The following three settings can be made.

page1	FINE/1/8 beat/1/4 beat/1/2 beat
page5	1 beat/2 beats/4 beats/8 beats
page9	16 beats/8 bars/16 bars/32 bars

4 Press pad 1, pad 3, pad 5, or pad 7.

The playback position moves to the left by the number of beats or number of bars assigned to the pressed pad.

5 Press pad 2, pad 4, pad 6, or pad 8.

The playback position moves to the right by the number of beats or number of bars assigned to the pressed pad.

Using the sequencer

Sampler performances can be recorded and played back.

The sequencer function can be used to achieve a variety of performances, such as superimposing an original rhythm loop or vocal loop created in advance on the track that is playing or changing the arrangement of an impromptu finger drum performance by adding sound using the overdub recording function or removing and adding sound using the mute function.

The following describes the basic operations of the sequencer. For sequencer application examples, see the rekordbox software's manual.

❖ Preparing to use the sequencer

1 Press the [FX PANEL] button while pressing the [SHIFT] button.

The sampler panel appears on the rekordbox dj screen.

2 Press the [SAMPLER] mode button.

The unit's pad mode switches to the sampler mode.

❖ Recording a sequence

1 Press the [PARAMETER◀] or [PARAMETER▶] button.

Select the bank of the sampler to be used for the performance.

2 Click the part indicated as [1 Bar] on the sampler panel of rekordbox dj.

Select a length for recording the sequence from 1 bar, 2 bars, and 4 bars in the pull-down menu that appears.

3 Press the [SEQUENCER START] button while pressing the [SHIFT] button.

Select the slot to save the sequence to.

4 Press the [SEQUENCER OVERDUB] button.

The sequencer switches to the recording standby state.

5 Create a performance using the performance pads.

Recording of the sequence begins.

- Only a sampler slot with the PLAY mode of the sampler set to [One Shot] can record a sequence.
- When [QUANTIZE] of the sampler panel is on, the operation timing of the performance pads is quantized and the sequence is recorded.

6 Press the [SEQUENCER OVERDUB] button while pressing the [SHIFT] button.

The recorded sequence is saved.

❖ Calling out and playing a saved sequence

1 Press the [SEQUENCER START] button while pressing the [SHIFT] button.

Select the sequence you wish to call out.

2 Press the [SEQUENCER START] button.

The sequence plays.

- If the [SEQUENCER START] button is pressed again, the sequence stops.

❖ Using the sequence mute mode

In the sequence mute mode, you can control mute for each sampler slot with a performance pad.

This enables you to remove and add a kick, snare, or other drum sound to change the arrangement for a rhythm loop created with the sequencer.

1 Call out and play a sequence.

⇒ *Calling out and playing a saved sequence* (p. 20)

2 Press and hold the [PARAMETER◀] button.

rekordbox dj remains in the sequence mute mode while the [PARAMETER◀] button is pressed.

- If the [PARAMETER◀] button is released, the sequence mute mode is canceled.

3 Press a performance pad.

The sound of the slot assigned to the pad that was pressed is muted.

- If the same pad is pressed again, mute is canceled.

❖ Using the sequence erase mode

In the sequence erase mode, you can erase sequences on a sampler slot basis.

1 Call out and play a sequence.

⇒ *Calling out and playing a saved sequence* (p. 20)

2 Press and hold the [PARAMETER▶] button.

rekordbox dj remains in the sequence erase mode while the [PARAMETER▶] button is pressed.

- If the [PARAMETER▶] button is released, the sequence erase mode is canceled.

3 Press a performance pad.

The sequence of only the slot assigned to the pad that was pressed is erased.

Using the slip mode

When the slip mode is turned on, normal playback with the original rhythm continues in the background during scratching, looping and hot cue playback. When scratching, looping or hot cue playback is canceled, normal playback resumes from the position reached up to the point at which the operation was canceled. Various performances can be achieved without breaking the rhythm.

- By default, the [SLIP] button lights when you switch to the slip mode and flashes while playback is continuing in the background.

Slip hot cue

1 Press the [HOT CUE] mode button.

Set the hot cue mode.

2 Set the hot cue.

Press a performance pad to set the hot cue.

3 Press the [SLIP] button.

The mode switches to the slip mode.

4 During playback, press and hold a performance pad.

Playback starts from the position at which the hot cue was set. Playback continues as long as the performance pad is pressed.

Normal playback continues in the background even while the hot cue is playing.

5 Release your finger from the performance pad.

Playback starts from the position reached in the background.

- To cancel the slip mode, press the [SLIP] button again.

Slip scratching

1 Check that VINYL mode is on.

While pressing the [SHIFT] button, check that the [SLIP] button lights.

2 Press the [SLIP] button.

The mode switches to the slip mode.

3 During playback, operate the top of the jog dial to scratch.

Normal playback continues in the background even while scratching.

4 Release your hand from the top of the jog dial.

Playback starts from the position reached in the background.

- To cancel the slip mode, press the [SLIP] button again.

❖ How to check VINYL mode on/off

By default, VINYL mode is on and scratch play is available. You can check the current status based on the lighting status of the [SLIP] button while the [SHIFT] button is pressed.

- When VINYL mode is on, the [SLIP] button lights while the [SHIFT] button is pressed.
- When VINYL mode is off, the [SLIP] button lights out while the [SHIFT] button is pressed.

To turn VINYL mode on/off, press the [SLIP] button while pressing the [SHIFT] button.

Slip braking

1 Adjust the [VINYL SPEED ADJUST] - [TOUCH/BRAKE] setting in the [Deck] tab of rekordbox's [Preferences] > [CONTROLLER] menu.

The **VINYL SPEED ADJUST** setting adjusts the speed, etc. at which the track stops from the play mode.

When using slip braking, adjust the **[TOUCH/BRAKE]** control of **[VINYL SPEED ADJUST]** on the computer screen and set to stop the sound slowly.

2 Press the [SLIP] button.

The mode switches to the slip mode.

3 During playback, press the [PLAY/PAUSE ▶/II] button.

Playback slowly stops. Normal playback continues in the background even while playback is slowly stopping.

4 Press the [PLAY/PAUSE ▶/II] button again.

Playback starts from the position reached in the background.

- To cancel the slip mode, press the [SLIP] button again.

Slip auto beat loop

1 Press the [SLIP] button.

The mode switches to the slip mode.

2 Press the [LOOP 1/2X] or [LOOP 2X] button.

Selects a beat for auto beat loop.

3 Press the [AUTO BEAT LOOP] button during playback.

A loop with the specified number of beats is set and loop playback starts.

Normal playback continues in the background even during loop playback.

4 Press the [AUTO BEAT LOOP] button again.

Looping is canceled and playback starts from the position reached in the background.

- To cancel the slip mode, press the [SLIP] button again.

Manual slip looping

1 Press the [SLIP] button.

The mode switches to the slip mode.

2 Press the [LOOP IN] button during playback, and then press the [LOOP OUT] button.

Loop playback starts.

Normal playback continues in the background even during loop playback.

3 Press the [LOOP OUT] button while pressing the [SHIFT] button.

Looping is canceled and playback starts from the position reached in the background.

- To cancel the slip mode, press the [SLIP] button again.

Using the dual deck mode

The dual deck mode is a function allowing you to control both decks simultaneously when mixing two different tracks on deck 1 and deck 3 (or on deck 2 and deck 4). A feature of this function is that it enables such operations as scratching, looping and hot cueing of two different tracks that have been mixed by mashing them up or blending them, as if they were a single track.

The explanation below describes an example of the operation for controlling decks 1 and 3 simultaneously.

1 Press the [DECK3] button while pressing the [DECK1] button or press the [DECK1] button while pressing the [DECK3] button.

DUAL DECK mode turns on and the [DECK] button, which was pressed first, flashes and the [DECK] button, which was pressed later, lights.

Status display in the dual deck mode

- When entering DUAL DECK mode, the deck status of the [DECK] button, which was pressed first, is displayed.

2 Press the [DECK1] or [DECK3] button.

The dual deck mode turns off, and the [DECK] button lights.

The controller switches to the deck of the pressed [DECK] button.

Functions that can be controlled in the dual deck mode

The functions below can be controlled on the two decks simultaneously in the dual deck mode.

Button or control that is operated	Function
Jog dial	Scratch, pitch bend, skip, slip scratch
SLIP button	Slip mode, VINYL mode
MASTER TEMPO button	Master tempo
AUTO BEAT LOOP button	Auto beat loop, slip auto beat loop
LOOP 1/2X button	Beat selection for auto beat loop, loop half, loop move
LOOP 2X button	Beat selection for auto beat loop, loop double, loop move
LOOP IN button	Loop in, loop in adjust, slip manual loop, retrigger, 4 beat loop
LOOP OUT button	Loop out, loop out adjust, reloop/exit, manual slip loop
HOT CUE mode button	Hot cue mode, beat jump mode
PAD FX 1 mode button	Pad FX mode 1, pad FX mode 2
SLICER mode button	Slicer mode, Slicer loop mode
Performance pads	Hot cue trigger, hot cue deletion, slip hot cue, slicer trigger, slice shift, beat jump trigger, pad FX trigger
PARAMETER◀ button, PARAMETER▶ button	SLICE ROLL selection, SLICE LENGTH selection, beat setting for beat jump, beat setting for pad FX
PLAY/PAUSE ▶/II button	Play, pause, slip braking
CUE button	Cue setting, back cue, cue sampler
SYNC button	SYNC
SLIP REVERSE button	Slip reverse, reverse
NEEDLE SEARCH pad	Needle search
QUANTIZE button	Quantize

Functions that are limited in the dual deck mode

In DUAL DECK mode, the following functions can only be operated on the deck where the [DECK] button is flashing.

Button or control that is operated	Function
TEMPO slider	Tempo adjustment
MASTER TEMPO button	Tempo range
CAPTURE button	Capture
SYNC button	Master deck setting
PARAMETER◀ button, PARAMETER▶ button	Calls out a cue point or loop point stored in a track.
AUTO BEAT LOOP button	Active loop

Deck status mirroring function

When the following modes are in the different status for each deck, the status is automatically set to the one in which the [DECK] button is flashing.

- Vinyl mode status, pad mode status, slip mode status

Using the fader start function

1 Set the cue.

Pause at the position from which you want to start playback, then press the [CUE] button for the corresponding deck.

2 While pressing the [SHIFT] button, move the channel fader from the position nearest you towards the back.

Playback of the track starts from the set cue point.

- When the channel fader is moved back to the position nearest you while pressing the [SHIFT] button during playback, the track moves instantaneously back to the set cue point and the pause mode is set. (Back Cue)

When the channel fader is moved from the back to the position nearest you while pressing the [SHIFT] button when standing by at a cue, track playback starts from the set cue.

Using the crossfader start function

To use the crossfader start function, set the crossfader assign switch of the channel you want to move to [A] or [B].

1 Set the cue.

Pause at the position from which you want to start playback, then press the [CUE] button for the corresponding deck.

2 Move the crossfader to the left edge or right edge position.

Set to the edge opposite the side on which the channel you want to use with the fader start function is set.

3 While pressing the [SHIFT] button, move the crossfader in the opposite direction from the left edge or right edge.

Playback of the track starts from the set cue point.

- When the crossfader is returned to the original position while pressing the [SHIFT] button during playback, the track moves instantaneously back to the set cue point and the pause mode is set (Back Cue).

When the crossfader is moved from the left edge to the right edge (or from the right edge to the left edge) while pressing the [SHIFT] button when standing by at a cue, track playback starts from the set cue point.

Using the velocity sampler

When velocity sampler mode is on, the sample volume level changes according to the amount of force used to tap the performance pads. The volume level increases when the performance pads are tapped strongly and decreases when they are tapped weakly.

When the velocity sampler mode is off, the sound is triggered at the volume level set with rekordbox, regardless of the strength that the performance pads are tapped with.

Turning the velocity sampler mode on

When the [SAMPLER] mode button is pressed while pressing the [SHIFT] button, the velocity sampler mode is turned on.

Turning the velocity sampler mode off

When the [SAMPLER] mode button is pressed, the mode is changed to the usual sampler mode (velocity sampler mode is turned off).

- The velocity curve can be set in the utilities mode.
- Changing the velocity curve setting of velocity sampler mode (p.27)

Calling out a cue point or loop point stored in a track

1 Load the track whose cue or loop points you want to call out.

2 Press the [HOT CUE] mode button.

Switches to hot cue mode.

3 Press the [PARAMETER◀] or [PARAMETER▶] button.

To call out a cue point set before the current playback position, press the [PARAMETER◀] button. To call out a cue point set after the current playback position, press the [PARAMETER▶] button. The track cues to the called out point and pauses.

- Depending on the [Preferences] of rekordbox, a cue point or loop point cannot be called out even if the [PARAMETER◀] or [PARAMETER▶] button is pressed during track playback.

4 Press the [PLAY/PAUSE] button.

Normal or loop playback starts from the point that was called out.

Analyzing tracks

Track analysis starts by dragging and dropping a track file or a folder including track files to the track list of rekordbox.

- If a track is loaded to a deck by pressing the [LOAD] button before the analysis is completed, it may take time to display BPM and waveform.
- Depending on the number of tracks, some time may be required for analysis.

Using effects

rekordbox dj has the two effect units FX1 and FX2. The effects can be applied to the selected decks. The following describes how to assign an effect unit to channel 1 with the operations of this unit.



Single mode: One beat FX and one release FX can be selected per effect unit, and beat FX has multiple adjustable parameters.



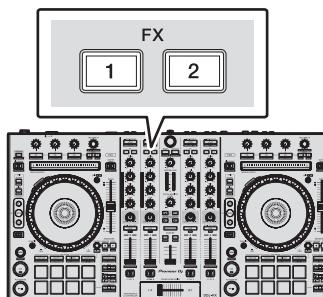
- 1 Displays the beat FX type.
- 2 Displays the tempo mode of beat FX.
- 3 This displays the number of the deck to which the effect unit is assigned.
- 4 Displays the parameter status of beat FX.
- 5 Displays the on/off setting of beat FX.
- 6 Displays the beat that beat FX effect synchronizes to or effect time.
- 7 Displays the release FX type.
- 8 Displays the beat that release FX synchronizes to.
- 9 Displays the on/off setting of release FX.

Operating beat FX in the multi mode

1 Press the [RELEASE FX] control while pressing the [SHIFT] button to switch the FX mode of rekordbox dj to the multi mode.

The mode switches between the multi mode and single mode each time this operation is performed.

2 Press the [FX1] button or [FX2] button of channel 1 to select the effect unit to assign.

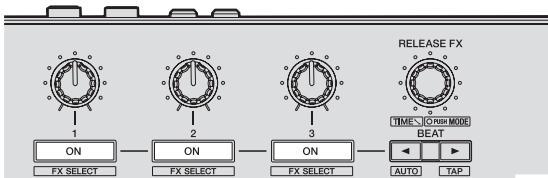


The number of the deck which the effect unit is assigned to is highlighted on the rekordbox dj screen.

3 Press the effect parameter 1 button while pressing the [SHIFT] button to select the first beat FX type.

To select the second beat FX type, press the effect parameter 2 button while pressing the [SHIFT] button.

To select the third beat FX type, press the effect parameter 3 button while pressing the [SHIFT] button.

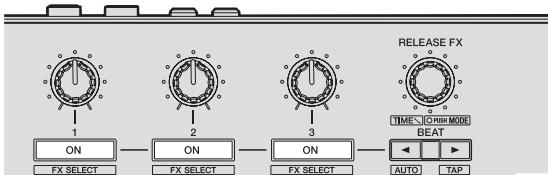


The currently selected beat FX type is displayed on the rekordbox dj screen.

4 Press the effect parameter 1 button to turn the first beat FX on.

Press the effect parameter 2 button to turn the second beat FX on.

Press the effect parameter 3 button to turn the third beat FX on.

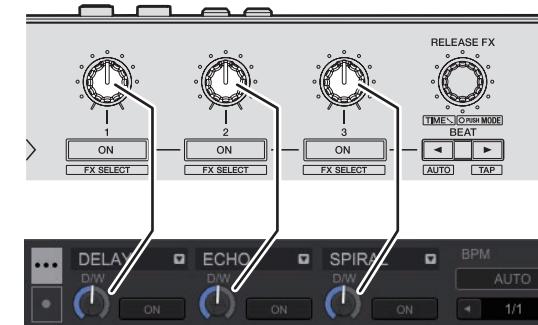


The [ON] key for the corresponding effect is highlighted on the rekordbox dj screen.

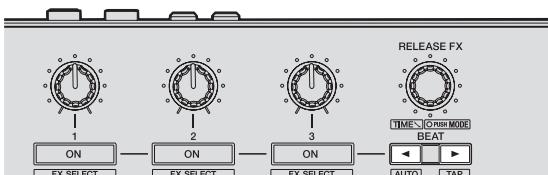
5 Operate the effect parameter 1 control to adjust the parameter of the first beat FX.

Operate the effect parameter 2 control to adjust the parameter of the second beat FX.

Operate the effect parameter 3 control to adjust the parameter of the third beat FX.



6 Press the [BEAT◀] or [BEAT▶] button to adjust the beat fraction to synchronize the effect sound with.



- Depending on the beat FX type, it can be specified using parameters instead of beat.
- It is also possible to set the BPM value used as the basis for the effect time with the interval at which the [BEAT▶] button is tapped while pressing the [SHIFT] button.

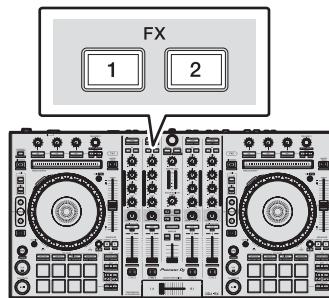
⇒ Switching the effect's tempo mode (p.24)

Operating beat FX in the single mode

1 Press the [RELEASE FX] control while pressing the [SHIFT] button to switch the FX mode of rekordbox dj to the single mode.

The mode switches between the multi mode and single mode each time the buttons are operated.

2 Press the [FX1] button or [FX2] button of channel 1 to select the effect unit to assign.

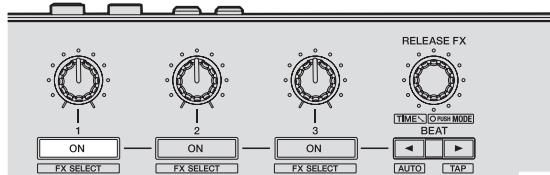


The number of the deck which the effect unit is assigned to is highlighted on the rekordbox dj screen.

3 Press the effect parameter 1 button while pressing the [SHIFT] button to select the beat FX type.

The selected beat FX is displayed on the rekordbox dj screen.

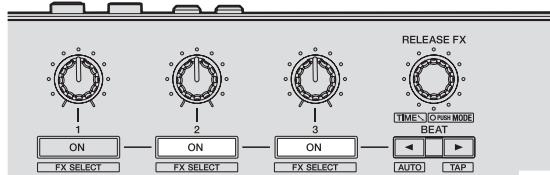
4 Press the effect parameter 1 button to turn beat FX on.



Beat FX turns on and off each time the button is pressed.

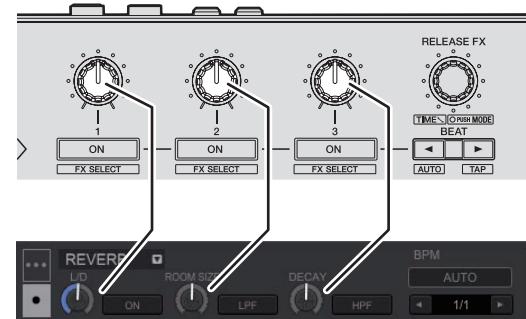
- The [ON] key for the effect is highlighted on the rekordbox dj screen.

5 Operate the effect parameter 2 or effect parameter 3 button to switch the beat FX's parameters.

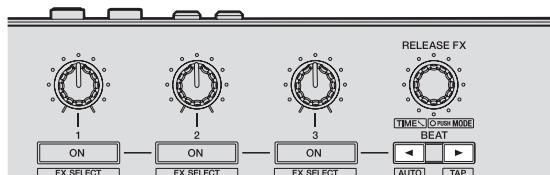


- Depending on the beat FX type, the button may not light when the button is operated.

6 Operate the effect parameter control to adjust the beat FX's parameters.



7 Press the [BEAT◀] or [BEAT▶] button to adjust the beat fraction to synchronize the effect sound with.



- Depending on the beat FX type, it can be specified using parameters instead of beat.
- It is also possible to set the BPM value used as the basis for the effect time with the interval at which the [BEAT▶] button is tapped while pressing the [SHIFT] button.

⇒ Switching the effect's tempo mode (p.24)

Switching the effect's tempo mode

With rekordbox dj effects, there are two ways to set the beat FX tempo: with "BPM auto mode" and "BPM tap mode".

- By default, the BPM auto mode is set.

❖ BPM auto mode

The track's BPM value is used as the basis for the effect's tempo.

❖ BPM tap mode

The BPM used as the base value for the effect is calculated from the interval at which the [BEAT▶] button is tapped while pressing the [SHIFT] button.

❖ Switching to the BPM tap mode

Press the [BEAT▶] button while pressing the [SHIFT] button.

- If the [BEAT◀] button is pressed while pressing the [SHIFT] button, the mode switches to the BPM auto mode.

Using the release FX

Release FX turns off the beat FX that was on up until then simultaneously with the addition of an effect.

The track being played and effect sound can be smoothly connected by using release FX.

One release FX can be used per effect unit in both the multi mode and single mode.

1 Press the [FX1] button or [FX2] button of channel 1 to select the effect unit to assign.

The number of the deck which the effect unit is assigned to is highlighted on the rekordbox dj screen.

2 Turn the [RELEASE FX] control to select the release FX type.

3 Click the [◀] or [▶] button on the rekordbox dj screen to set the release FX beat.

- The release FX beat can be set separately from the beat setting for beat FX.

4 Press and hold the [RELEASE FX] control.

The selected release FX turns on, and the beat FX in the same effect unit that was on up until then turns off.

5 Release the [RELEASE FX] control.

Release FX turns off.

Using the SOUND COLOR FX function

These effects change in association with the [COLOR] controls for the different channels.

1 Press one of the [SOUND COLOR FX] (NOISE, CRUSH, PITCH, FILTER) buttons.

This selects the type of effect.

The button that was pressed flashes.

- Even when one of the [SOUND COLOR FX] buttons is selected, if a different [SOUND COLOR FX] button is pressed, the newly pressed button is selected.
- The same effect is set for all channels.

2 Turn the [COLOR] control.

The effect is applied to the channel(s) for which the control(s) was (were) turned.

❖ Canceling the SOUND COLOR FX effect

Press the flashing [SOUND COLOR FX] button.

The effect is canceled.

❖ Types of SOUND COLOR FX effects

Effect Name	Descriptions	[COLOR] control
NOISE	Mixes white noise with the sound of the channel via the filter and output.	Turn counterclockwise: The cut-off frequency of the filter through which the white noise passes gradually descends. Turn clockwise: The cut-off frequency of the filter through which the white noise passes gradually rises.
CRUSH	Changes the original sound to a crushed-like sound for output.	Turn counterclockwise: Increases the sound's distortion. Turn clockwise: The sound is crushed, then pass through the high pass filter.
PITCH	Changes the sound pitch.	Turn counterclockwise: The pitch descends. Turn clockwise: The pitch rises.
FILTER	Outputs sound that has passed through a filter.	Turn counterclockwise: Gradually descends the low-pass filter's cutoff frequency. Turn clockwise: Gradually rises the high-pass filter's cutoff frequency.

Using recording functions

rekordbox dj has recording functions and can record mixed sound.

For detailed instructions on recording, see the rekordbox software manual.

1 Click the [REC] button in the global section of rekordbox dj.

The panel used for recording appears on the rekordbox dj screen.

2 Click on the recording panel of rekordbox dj to start recording.

- If you click  again, recording stops.
- If the recording is completed, the file is automatically saved.
- The saving destination of the file can be changed in the [Preferences] > [Controller] > [Other] tab of rekordbox.

Using external inputs

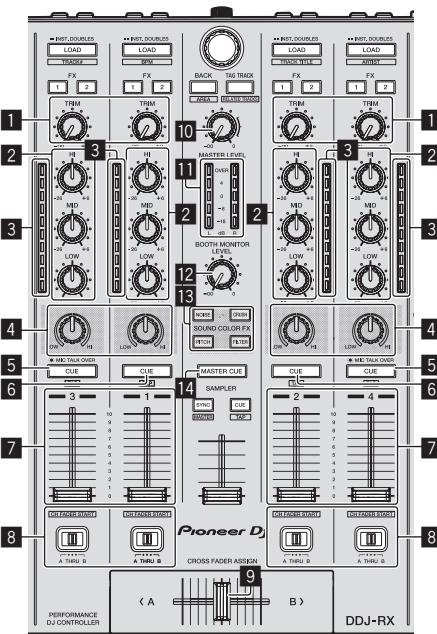
Four external input systems are provided to connect to a DJ player or analog turn-table. The 4-Channel Mixer of this unit can mix externally input sounds without using a computer. The following mixer functions can be operated without connecting to a computer.



Notes

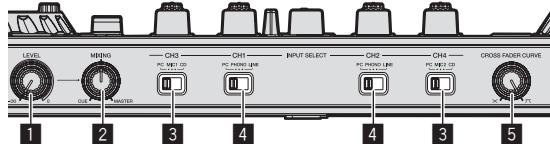
- For details on the respective items, see *Connections* (p.7) and *Part names and functions* (p.9).
- The functions below do not work with respect to external inputs.
 - Track tempo setting (pressing the headphones [CUE] button while pressing the [SHIFT] button)
 - Fader start function (while pressing the [SHIFT] button, move the channel fader or cross fader)
 - Application of the rekordbox dj effect
- The values adjusted with the various controls for rekordbox dj differ from the values adjusted with the various controls for external input.

Mixer section



- 1 TRIM control
- 2 EQ (HI, MID, LOW) controls
- 3 Channel Level Indicator
- 4 COLOR control
- 5 Headphones CUE/MIC TALK OVER button
- 6 Headphones CUE button
- 7 Channel fader
- 8 Crossfader Assign Switch
- 9 Crossfader
- 10 MASTER LEVEL control
- 11 Master level indicator
- 12 BOOTH MONITOR LEVEL control
- 13 SOUND COLOR FX buttons
- 14 MASTER CUE button

Front panel



- 1 HEADPHONES LEVEL control
- 2 HEADPHONES MIX control
- 3 INPUT SELECT switch
- 4 INPUT SELECT switch
- 5 CROSS FADER CURVE selector switch

Mixing the sound of the microphone

- 1 Connect a microphone to the [MIC1] or [MIC2] terminal.
- 2 Set the [INPUT SELECT] switch to [MIC1] or [MIC2].
- 3 Operate the [TRIM] control and channel fader to adjust the sound level output from each channel.
 - The sound can be adjusted with the [EQ (HI, MID, LOW)] controls and the selected SOUND COLOR FX can be applied using the [COLOR] control.
 - The sound volume of channels for which the [INPUT SELECT] switch is set to [MIC1] or [MIC2] does not change even when the crossfader is moved.

Mixing the sound of a DJ player, etc.

- 1 Connect the DJ player or other line level output device to the [CD] or [PHONO/LINE] terminals.
- 2 Set the [INPUT SELECT] switch to [CD] or [LINE].
- 3 Operate the [TRIM] control and channel fader to adjust the sound level output from each channel.
 - The sound can be adjusted with the [EQ (HI, MID, LOW)] controls and the selected SOUND COLOR FX can be applied using the [COLOR] control.

Mixing the sound of an analog turntable, etc.

- 1 Connect the analog player or other phono level (for MM cartridges) output device to the [PHONO/LINE] terminals.
 - Make sure to connect the ground wire of an analog player to this unit's SIGNAL GND terminal.
- 2 Set the [INPUT SELECT] switch to [PHONO].
- 3 Operate the [TRIM] control and channel fader to adjust the sound level output from each channel.
 - The sound can be adjusted with the [EQ (HI, MID, LOW)] controls and the selected SOUND COLOR FX can be applied using the [COLOR] control.

Changing the settings

Launching utilities mode

If the utilities mode is launched while the unit and a computer are connected by a USB cable, the set status may not be displayed properly.

- 1 Disconnect the USB cable from your computer.
- 2 Press the [STANDBY/ON] switch on this unit's rear panel to set this unit's power to standby.
Set this unit's power to the standby mode.
- 3 While pressing both the [SHIFT] and [PLAY/PAUSE ▶/II] buttons on the left deck, press the [STANDBY/ON] switch on this unit's rear panel.
Utilities mode is launched.
- 4 After launching utilities mode, operate the controller for the items whose settings you want to change.
See the explanations below for the settings that can be changed.
- 5 Press the [STANDBY/ON] switch on this unit's rear panel to set this unit's power to standby.
To save the settings, set the [STANDBY/ON] switch on this unit's rear panel to standby and quit utilities mode.

Utilities modes

The following settings can be changed:

- MIDI controller setting
- Channel fader start setting
- Crossfader start setting
- Master output attenuator level setting
- Slip mode flashing setting
- [SLIP] button lit/flash operation setting
- Demo mode setting
- Setting of the velocity curve in velocity sampler mode
- Cut lag setting of crossfader
- Output setting of microphone to booth monitor
- Jog dial illumination mode setting
- Back spin length setting
- Operation setting of microphone sound low cut filter
- Operation setting of crossfader MIDI message

Forcefully using the unit as the general MIDI controller

The unit automatically changes operation as follows depending on whether rekordbox is running.

- When rekordbox is running, controller operation depends on the rekordbox dj functions.
 - When rekordbox is not running, the unit operates as a general MIDI controller.
- Even though rekordbox is running, you can forcefully operate the unit as a general MIDI controller.

Press the [HOT CUE] mode button on the right deck or the [PAD FX 1] mode button.

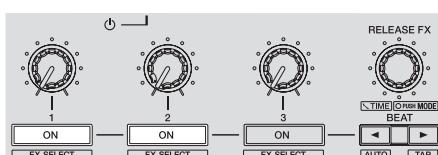
- [HOT CUE] mode button lit: Operation automatically changes depending on whether or not rekordbox is running.
- [PAD FX 1] mode button lit: Regardless of whether or not rekordbox is running, the unit operates as a general MIDI controller.

Changing the channel fader start setting

The channel fader start function's setting can be changed.

- The channel fader start function is enabled by default.

Press the effect parameter 1 or effect parameter 2 button on the left deck.



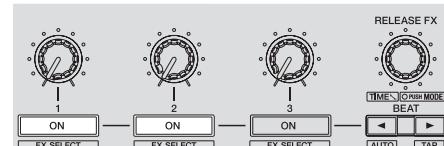
- Effect parameter 1 button lit: The channel fader start function is enabled.
- Effect parameter 2 button lit: The channel fader start function is disabled.

Changing the crossfader start setting

The crossfader start function settings can be changed.

- The crossfader start function is enabled by default.

Press the effect parameter 1 or effect parameter 2 button on the right deck.



- Effect parameter 1 button lit: The crossfader start function is enabled.
- Effect parameter 2 button lit: The crossfader start function is disabled.

Setting the master output's attenuator level

- The default is 0 dB.

Press one of the left deck's [HOT CUE] mode, [PAD FX 1] mode, and [SLICER] mode buttons.

- [HOT CUE] mode button lit: 0 dB (no attenuation)
- [PAD FX 1] mode button lit: -3 dB
- [SLICER] mode button lit: -6 dB

Changing the slip mode flashing setting

When the slip mode is on, the buttons that can be operated in the slip mode (jog dial indicator, [AUTO BEAT LOOP] button, [PLAY/PAUSE ▶/II] button, etc.) flash. This setting can be used to disable the flashing of these buttons.

- By default, slip mode flashing is enabled.

Press the [SLIP] button on the left deck.

- [SLIP] button lit: Slip mode flashing enabled
- [SLIP] button off: Slip mode flashing disabled

Setting the [SLIP] button lit/flash operation

By default, the [SLIP] button lights when you switch to the slip mode and flashes while playback is continuing in the background.

With this setting, the [SLIP] button can be made to flash when Slip mode is started, regardless of whether or not normal playback continues while the original rhythm is maintained in the background.

Press the [SLIP] button on the right deck.

- [SLIP] button lit: The [SLIP] button flashes upon entering slip mode
- [SLIP] button off: The [SLIP] button lights upon entering slip mode and the [SLIP] button flashes while normal playback is continued while the original rhythm is maintained in the background.

Changing the demo mode setting

On this unit, the demo mode is set if no operation is performed for 10 minutes under normal usage conditions. This demo mode can be changed.

- By default, demo mode starts when there is no operation for 10 minutes.
- When any control or button on this unit is operated while in the demo mode, the demo mode is canceled.

Press the [AUTO BEAT LOOP] button on the right deck.

The demo mode setting changes each time the [AUTO BEAT LOOP] button is pressed.

The currently set value is indicated by how the [LOOP 1/2X], [LOOP 2X], [LOOP IN] and [LOOP OUT] buttons light.

- [LOOP 1/2X] button lights: Demo mode is disabled
- [LOOP 2X] button lights: Demo mode starts when there is no operation for 1 minute
- [LOOP IN] button lights: Demo mode starts when there is no operation for 5 minutes
- [LOOP OUT] button lights: Demo mode starts when there is no operation for 10 minutes

Changing the velocity curve setting of velocity sampler mode

Use the procedure below to set the velocity curve of velocity sampler mode. You can choose one of four velocity curves.

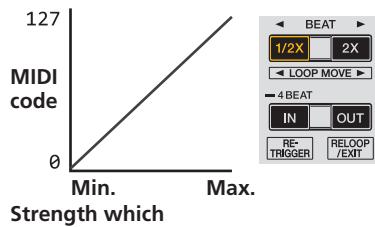
- By default, curve 3 is set.

Press the [AUTO BEAT LOOP] button on the left deck.

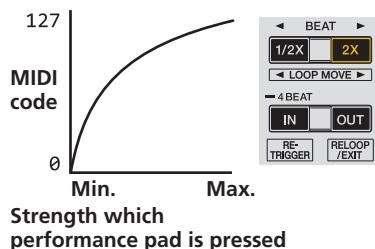
The velocity curve setting changes each time the [AUTO BEAT LOOP] button is pressed.

The currently set value is indicated by how the [LOOP 1/2X], [LOOP 2X], [LOOP IN] and [LOOP OUT] buttons light.

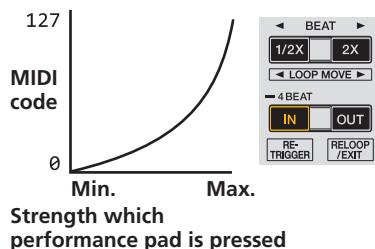
Curve 1



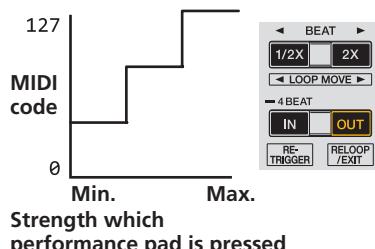
Curve 2



Curve 3



Curve 4



Switching illumination mode in the white area of the jog dial

You can adjust the lit pattern of the white area of the illumination around the jog dial center part.

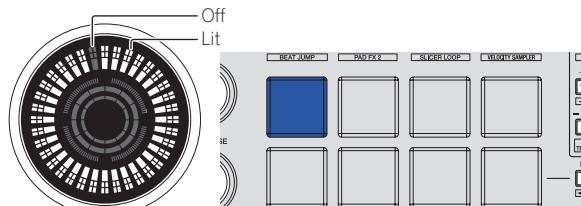
- The illumination can be set for decks 1 / 2 and decks 3 / 4, separately.
- By default, decks 1 and 2 are set to pattern 2 and decks 3 and 4 are set to pattern 4.

Press any of performance pads 1 to 5 of the left deck (right deck).

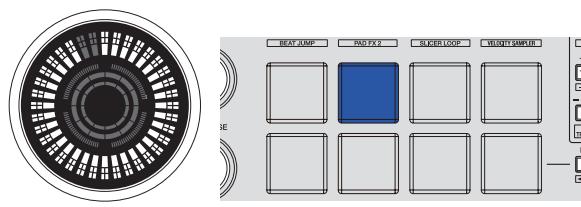
The illumination at the center of the jog dials lights once around. The current setting is indicated by how the performance pads light.

When a performance pad on the left side deck is pressed, illumination for decks 1 and 2 is set. When a performance pad on the right side deck is pressed, illumination for decks 3 and 4 is set.

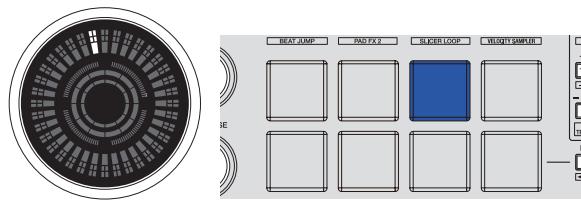
Pattern 1



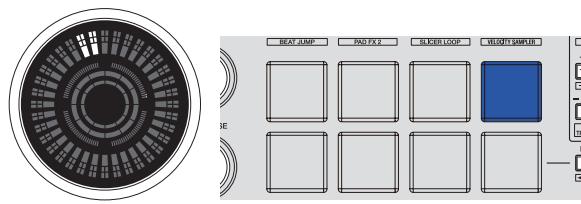
Pattern 2



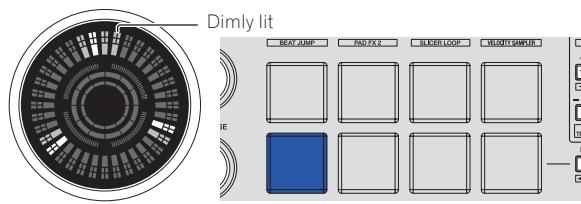
Pattern 3



Pattern 4



Pattern 5



Adjusting the crossfader cut lag

Adjust the cut lag on both edges of the crossfader. It can be adjusted between 0 (0.5 mm) and 52 (5.7 mm) in increments of 0.1 mm.

- The above cut lag position for the cut lag setting is a guide and it may not match the position at which the sound volume becomes zero.
- By default, it is set to 5 (1 mm).

Turn the rotary selector.

The current setting (0 to 52) is displayed by the lit condition of the channel level indicator.

- Number of lit segments of the [CH3] channel level indicator: Ten's place
- Number of lit segments of the [CH1] channel level indicator: One's place

Setting the microphone output of the booth monitor

- By default, it is set to output microphone sound from the [BOOTH OUT] terminal.

Press the [SAMPLER] mode button on the right deck.

- [SAMPLER] button lit: Outputs microphone sound from the [BOOTH OUT] terminal
- [SAMPLER] button off: Does not output microphone sound from the [BOOTH OUT] terminal

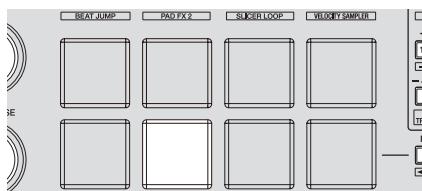
Switching the illumination mode in the red area of the jog dial

The light of the red area of illumination in the center part of the jog dial can be set to On Air display or slip mode status display.

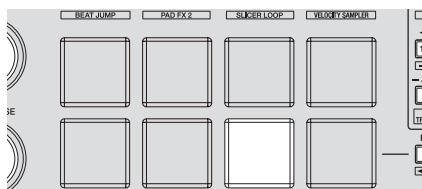
- On Air display is set by default.

Press performance pad 6 or 7 on the left deck.

Pad 6 lit: The indicator lights when the sound of the deck being operated can be output as the master sound. (On Air display)



Pad 7 lit: Lights or flashes in the same way as the [SLIP] button.



Switching the backspin length

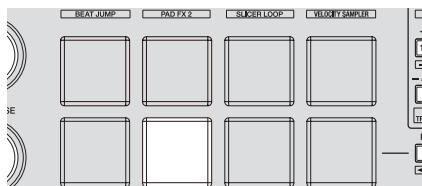
It is possible to make the unit perform back spin longer than the actual jog dial rotation amount when back spin operation of jog dial is performed.

The length of back spin operation can be selected from one of three types: short, normal, and long.

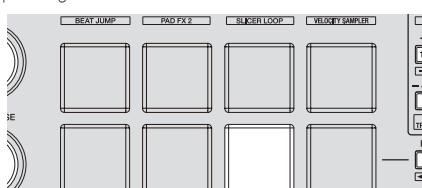
- The default setting is back spin length normal.

Press any of performance pads 6 to 8 on the right deck.

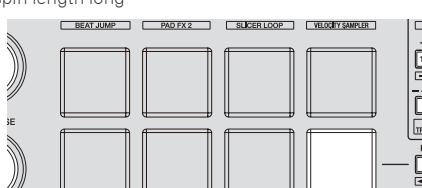
Pad 6 lit: Back spin length short



Pad 7 lit: Back spin length normal



Pad 8 lit: Back spin length long



Disabling the low cut filter of microphone sound

For microphone sound, a filter is used to attenuate sounds lower than the human voice.

This low cut filter reduces input of background noise generated from speakers, etc. into the microphone.

With this setting, you can disable the low cut filter of microphone sound.

- The low cut filter of microphone sound can be set for microphone 1 and microphone 2, respectively.
- By default, the low cut filter of microphone sound is enabled.

Press the [BEAT◀] button on the left deck (right deck).

If the [BEAT◀] button on the left deck is pressed, the low cut filter of microphone 1 is set. If the [BEAT◀] button on the right deck is pressed, the low cut filter of microphone 2 is set.

- [BEAT◀] button lit: The low cut filter of microphone sound is enabled.
- [BEAT◀] button not lit: The low cut filter of microphone sound is disabled.

Disabling optimization of crossfader MIDI messages

When the [CROSS FADER CURVE] selector control is turned fully clockwise, the crossfader MIDI messages output method is optimized to improve crossfader response during scratching.

With this setting, optimization of crossfader MIDI messages can be disabled.

- By default, optimization of crossfader MIDI messages is enabled.
- Optimization of crossfader MIDI messages is performed only when the [CROSS FADER CURVE] selector control is turned all the way clockwise.
- If optimization of crossfader MIDI messages is enabled, the crossfader position on the rekordbox dj mixer panel may not match the crossfader position on this unit.

Press the [MASTER TEMPO] button on the left deck.

- [MASTER TEMPO] button lit: Optimization of crossfader MIDI messages is enabled.
- [MASTER TEMPO] button off: Optimization of crossfader MIDI messages is disabled.

Adjusting the sensitivity of the jog dial's touch sensor

This unit is equipped with a mode for adjusting the sensitivity of the jog dial's touch sensor.

- The value set in the jog dial sensitivity adjustment mode is retained even when this unit's power is turned off.
- The sensitivity of the left and right jog dials can be adjusted separately.

The example below describes the procedure for adjusting the sensitivity of the left jog dial.

1 Connect this unit to your computer via an included USB cable.

2 Press the [DECK1] or [DECK3] button while pressing the [SHIFT] button.

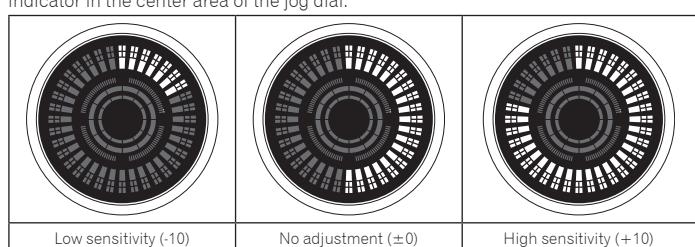
The sensitivity adjustment mode is set, and the current sensitivity is displayed on the indicator in the center area of the jog dial.

- When in the sensitivity adjustment mode, perform the next operation within 3 seconds. (If more than 3 seconds pass after a button was pressed, the set value is stored and the indicator returns to the normal display.)

3 Press the [DECK1] or [DECK3] button while pressing the [SHIFT] button.

The sensitivity increases each time the [DECK1] button is pressed and decreases each time the [DECK3] button is pressed.

When the jog dial's sensitivity is adjusted, the set sensitivity is displayed on the indicator in the center area of the jog dial.



The jog dial's sensitivity can be adjusted in 37 steps.

- The default setting is "No adjustment (±0)".
- To adjust the sensitivity of the jog dial on the right side, press the [DECK2] or [DECK4] button while pressing the [SHIFT] button.

4 Once the setting is completed, wait as such for 3 seconds.

When 3 seconds have passed after a button was pressed, the set value is stored and the indicator returns to the normal display.

Additional information

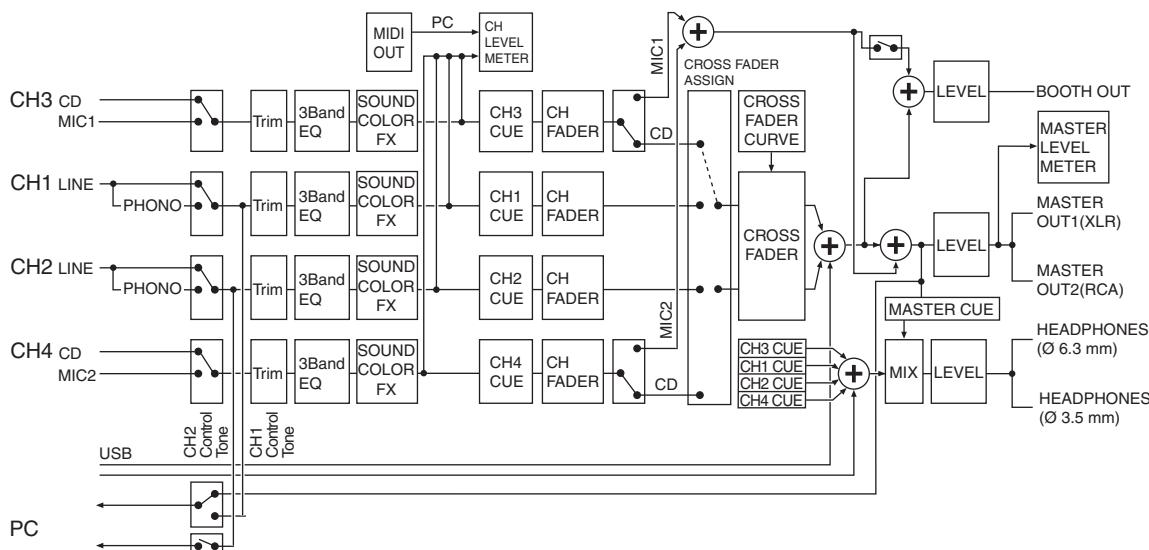
Troubleshooting

- If you think that there is something wrong with this unit, check the items below and access the Pioneer DJ site and check [FAQ] for the [DDJ-RX]. Sometimes the problem may lie in another component. Inspect the other components and electrical appliances being used. If the problem cannot be rectified, ask your nearest Pioneer authorized service center or your dealer to carry out repair work.
- This unit may not operate properly due to static electricity or other external influences. In this case, proper operation may be restored by turning the power off, waiting 1 minute, then turning the power back on.

Problem	Check	Remedy
The power of the unit does not turn on.	Is the [STANDBY/ON] switch of the power on? Is the included AC adapter properly connected?	Turn the [STANDBY/ON] switch of the power on. Mount the power plug properly on the included AC adapter. Connect the included AC adapter properly to the power outlet. (page 4) Connect the included AC adapter's DC plug properly to this unit.
This unit is not recognized.	Is the included USB cable properly connected? Are you using a USB hub? Is the driver software properly set? (Windows) Is your computer recognizing the unit? Are other applications running? Are USB devices other than this unit connected? — Are multiple ASIO drivers for units other than this unit installed on the computer? Is the sound setting on the computer set properly?	Connect the included USB cable properly. USB hubs cannot be used. Connect the computer and this unit directly using the included USB cable. Set the driver software properly. (With Mac OS X, no driver software is necessary.) (page 5) Windows: In [DDJ_RX Version Display Utility], check if the firmware version of this unit is displayed. (page 6) Mac: Check if this unit is recognized by the computer in [System Information] of Mac OS. Quit other applications including screen savers and resident software. (When quitting antivirus security software, before doing so, disable the Internet connection to ensure the security of your computer.) Remove external hard disks and the keyboard (for some models), etc. to check the status with only the built-in hard disk. If your computer has more than one USB terminal, check using a different USB terminal. Uninstall unnecessary ASIO drivers. For details of how to uninstall ASIO drivers, check with the manufacturer of the respective ASIO driver. Mac: Disconnect the USB cable connecting the unit and the computer, start the utilities software for Mac OS X "Audio MIDI Setup", and display the [MIDI Window] or [MIDI studio]. After selecting the [DDJ-RX] icon, click [Remove Device]. (The [USB MIDI Device] icon may be displayed instead of the [DDJ_RX] icon. In that case, select [USB MIDI Device].) If this unit is connected to the computer using the USB cable again, the [DDJ-RX] icon appears.
The jog dial does not respond to touching.	Is the jog dial dirty? Is the touch sensor sensitivity of the jog dial set appropriately? Does the jog dial respond when touched while touching some other metal part of the unit?	An electrostatic system is used as the detection method in the jog dial of this unit. Therefore, if the jog dial is dirty or the user has hand cream on their hands, detection may not respond. When cleaning the jog dial, dry wipe with a soft cloth. If it is very dirty, prepare a 5:1 or 6:1 solution of water and neutral detergent, immerse a soft cloth in the solution and wring out well, then clean the jog dial and wipe with a dry cloth after that. Adjust the touch sensor sensitivity of the jog dial. (page 28) If touching the jog dial while touching some other metal part of the unit makes it work, there is a possibility that the unit is affected by another device connected to the unit. Review the connection environment (setting location or ground connection status, etc.) of the devices (computer, amplifier, etc.) connected to the unit.
Recording is not possible.	Is the recording level low?	Adjust the recording adjustment control on the recording panel of rekordbox dj.
No sound or small sound.	Are the [TRIM] control, channel faders, crossfader, [INPUT SELECT] switch and [MASTER LEVEL] control set to the proper positions? Are the connected powered speakers, etc., properly set? Are the connection cables properly connected? Are the terminals and plugs dirty? Is the driver software properly set? (Windows)	Set the [TRIM] control, channel faders, crossfader, [INPUT SELECT] switch and [MASTER LEVEL] control to the proper positions. Properly set the external input selection, volume, etc., on the powered speakers, etc. Connect the connection cables properly. Clean the terminals and plugs before making connections. Set the driver software properly. (With Mac OS X, no driver software is necessary.) (page 5)
Distorted sound.	Is the [MASTER LEVEL] control set to the proper position? Is the [TRIM] control set to the proper position?	Adjust the [MASTER LEVEL] control so that the master level indicator's orange indicator lights at the peak level. Adjust the [TRIM] control so that the channel level indicator's orange indicator lights at the peak level.
Sound being played is interrupted when using DJ software.	Is the buffer size (latency) value appropriate?	On a Windows system, use the ASIO setting utility to set an appropriate buffer size value. (page 6) On a Macintosh, set the appropriate buffer size (latency) value for the DJ software.
Sound of an external device or microphone cannot be output.	Is the [INPUT SELECT] switch set to the proper position?	Set the [INPUT SELECT] switch to the proper position.
The indicator flashes and operation is strange.	—	Normal operation can be restored by disconnecting the AC adapter, waiting at least 1 minute, then reconnecting the AC adapter. If the same symptom persists, disconnect the AC adapter, then request repairs.

Problem	Check	Remedy
Operation of rekordbox dj becomes unstable.	Are you using softwares other than rekordbox at the same time?	Quit other applications to decrease the load on the computer. If operation continues to be unstable, try disabling the wireless network or other wireless connections, antivirus software, the screen saver, the low power mode, etc. (5Page)
	When other USB devices are connected to the computer.	Disconnect other USB devices from the computer. When another USB audio device is connected to the computer at the same time, it may not operate or be recognized normally.
	Are you using a USB hub?	USB hubs cannot be used. Connect the computer and this unit directly using the included USB cable.
	There is a problem with the USB port to which this unit is connected.	If your computer has multiple USB ports, try connecting this unit to a different USB port.
	Is this unit connected to a notebook computer running on its battery?	Supply power to the notebook computer from an AC power supply. (Depending on the notebook computer's settings, the low power mode may be set when the computer is running on its battery, automatically reducing the performance of the computer itself.) (5Page)
	The USB buffer size is too small.	Raise the USB buffer size. (page 6)
The fader start function does not work.	Is a cue set?	Set the cue.
	Is the crossfader assign switch for the channel that you wish to start outputting from set to [A] or [B]? (For cross-fader start)	Set the crossfader assign switch for the channel that you wish to start outputting from to [A] or [B].
After jog dial rotation stops, the track playback position may advance in the rotation direction for a while.	Is the back spin length of the utilities mode set to standard or long?	Set the back spin length of the utilities mode to short. When the jog dial rotation stops, playback pauses or becomes normal playback at the position.
The jog illumination does not rotate during playback, or it rotates but it does not synchronize with the platter display of rekordbox dj. The [TEMPO] slider does not work if the deck is switched. (TAKEOVER indicator lights.)	In the utilities mode, is the unit set to be forcefully operated as a general MIDI controller?	In the utilities mode, set the mode with which the operation of the unit is automatically switched according to whether or not rekordbox is running.
Only one track deck is displayed on the screen. The platter is not displayed on the track deck.	Is rekordbox set to the [EXPORT] mode?	Click the area indicated by [EXPORT] at the upper left of the screen, and then select [PERFORMANCE].
	Has rekordbox dj been activated?	Enter the rekordbox dj license key included with this unit on the [Preferences] > [License] screen of rekordbox. For details on the activation, see the rekordbox software's manual.
There is no change even if a performance pad is pressed while pressing the [CAPTURE] button.	Is any loop active?	Set a loop using the [AUTO BEAT LOOP] button/[LOOP IN]/[LOOP OUT] buttons.
	Is the sampler slot that has been already loaded selected?	Clear the sampler slot by clicking the [EJECT] button on the sampler panel of rekordbox dj, or select the [SAMPLER] tab on the [Preferences] > [CONTROLLER] screen of rekordbox and unlock [Eject/Load Lock].
There is no change even if the [CAPTURE] button is pressed while pressing the [SHIFT] button.	Is the slicer or slicer loop mode set?	Press the [SLICER] mode button to set the slicer mode, or press the [SHIFT] and [SLICER] mode buttons to set the slicer loop mode.
	Is the sampler slot that has been already loaded selected?	Clear the sampler slot by clicking the [EJECT] button on the sampler panel of rekordbox dj, or select the [SAMPLER] tab on the [Preferences] > [CONTROLLER] screen of rekordbox and unlock [Eject/Load Lock].
The sampler deck's sound cannot be monitored with headphones.	Is [SAMPLER CUE] selected?	Press the [SAMPLER CUE] button to turn on the monitor of the sampler deck.
	Is the [SAMPLER VOLUME] fader position set to the near side?	Set the [SAMPLER VOLUME] fader to the appropriate position.
The playback position does not move even if the [NEEDLE SEARCH] pad is touched.	Is [Needle Lock] of rekordbox dj enabled?	Unlock [Needle Lock] in the [DECK] tab on the [Preferences] > [CONTROLLER] screen of rekordbox. If [Needle Lock] is locked, the playback position can be moved using the [NEEDLE SEARCH] pad when track playback is paused or while touching the jog.
Hissing sound is output from the master output when a track is not played back.	Is [NOISE] of SOUND COLOR FX on?	If the [NOISE] button of SOUND COLOR FX is blinking, press the [NOISE] button. Set the [COLOR] control to the center position.

Audio Block Diagram



Acquiring the manual

Various instructions are sometimes provided as files in PDF format. Adobe® Reader® must be installed in order to view PDF format files.

Downloading the rekordbox software manual

1 Launch a web browser on the computer and access the rekordbox.com site below.

<http://rekordbox.com/>

2 Download the software manual from the rekordbox software manual download page.

For inquiries on rekordbox, see "rekordbox.com" indicated above.

Using as a controller for other DJ software

This unit also outputs the operating data for the buttons and controls in MIDI format. If you connect a computer with a built-in MIDI-compatible DJ software via a USB cable, you can operate the DJ software on this unit. The sound of music files being played on the computer can also be output from the DDJ-RX.

To use as a controller for operating DJ software other than the rekordbox software, also configure the DJ software audio and MIDI-related settings.

- For details, see your DJ software's operating instructions.

About MIDI messages

For details on this unit's MIDI messages, see "List of MIDI Messages".

- "List of MIDI Messages" can be acquired from the following URL:
<http://www.pioneerdj.com/>

About the driver software (Windows)

This driver software is an exclusive ASIO driver for outputting audio signals from the computer.

- There is no need to install the driver software when using Mac OS X.

Operating environment

Supported operating systems

Windows® 8.1/8.1 Pro (latest service pack)	32-bit version	✓
Windows® 8/8 Pro	64-bit version	✓ ^①
Windows® 7 Home Premium/Professional/Ultimate (latest service pack)	32-bit version	✓
	64-bit version	✓ ^①

^① When using a 64-bit version of Windows, the driver software can only be used for 32-bit applications.

Checking the latest information on the driver software

For the latest information on this unit's dedicated driver software, see the Pioneer DJ site below.

<http://www.pioneerdj.com/>

About the installation procedure

- For the operating procedure, see *Installation Procedure (Windows)*.

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