

**Pioneer**

**DJ MIXER**

**DJM-900SRT**

**DJM-900SRT Serato DJ Edition**

**serato** || **serato**  **DJ**

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

The Pioneer DJ support 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 various types of information and services regarding rekordbox™, see the Pioneer website above.

**<http://serato.com/>**

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

**Operating Instructions**

Thank you for buying this Pioneer product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However the method of connecting and operating the unit is the same.

## IMPORTANT



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

### CAUTION

**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**

#### CAUTION:

TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

D3-4-2-1-1\_A1\_En

## IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



D3-7-13-69\_En

### NOTE:

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

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

D8-10-1-2\_A1\_En

### FEDERAL COMMUNICATIONS COMMISSION DECLARATION OF CONFORMITY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product Name: DJ MIXER

Model Number: DJM-900SRT

Responsible Party Name: PIONEER ELECTRONICS (USA) INC.  
SERVICE SUPPORT DIVISION

Address: 1925 E. DOMINGUEZ ST. LONG BEACH, CA 90810-1003, U.S.A.

Phone: 1-800-421-1404

URL: <http://www.pioneerelectronics.com>

D8-10-4\*\_C1\_En

## WARNING

This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.

D3-4-2-1-3\_A1\_En

## WARNING

This product equipped with a three-wire grounding (earthed) plug - a plug that has a third (grounding) pin. This plug only fits a grounding-type power outlet. If you are unable to insert the plug into an outlet, contact a licensed electrician to replace the outlet with a properly grounded one. Do not defeat the safety purpose of the grounding plug.

D3-4-2-1-6\_A1\_En

## WARNING

To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment.

D3-4-2-1-7a\_A1\_En

## VENTILATION CAUTION

When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation (at least 5 cm at rear, and 3 cm at each side).

## WARNING

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.

D3-4-2-1-7b\*\_A1\_En

## Operating Environment

Operating environment temperature and humidity: +5 °C to +35 °C (+41 °F to +95 °F); less than 85 %RH (cooling vents not blocked)

Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

D3-4-2-1-7c\*\_A1\_En

### CAUTION

The **POWER** switch on this unit will not completely shut off all power from the AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation).

D3-4-2-2a\*\_A1\_En

### IMPORTANT NOTICE

THE MODEL NUMBER AND SERIAL NUMBER OF THIS EQUIPMENT ARE ON THE RIGHT SIDE. RECORD THESE NUMBERS ON PAGE 31 FOR FUTURE REFERENCE.

D36-AP9-3\*\_A1\_En

## WARNING

Store small parts out of the reach of children and infants. If accidentally swallowed, contact a doctor immediately.

D41-6-4\_A1\_En

**WARNING:** This product contains chemicals known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm.

***Wash hands after handling.***

D36-P5\_C1\_En

### Information to User

Alterations or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

D8-10-2\_A1\_En

### CAUTION

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

D8-10-3a\_A1\_En

## The Safety of Your Ears is in Your Hands

Get the most out of your equipment by playing it at a safe level – a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time, your hearing “comfort level” adapts to higher volumes of sound, so what sounds “normal” can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

### ESTABLISH A SAFE LEVEL:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Once you have established a comfortable sound level, set the dial and leave it there.

### BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:

- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas.

S001a\_A1\_En

### POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

S002\*\_A1\_En

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## For those operating Serato DJ for the first time using this unit

See the "Quick Start Guide - Serato DJ Edition" for the procedure for making the initial settings required to use the CONTROL CD or CONTROL VINYL in order to operate Serato DJ. The "Quick Start Guide - Serato DJ Edition" can be downloaded from the Pioneer DJ support site (<http://pioneerdj.com/support/>). For downloading instructions, see *Downloading the latest versions of the operating instructions and the Quick Start Guide - Serato DJ Edition* in this manual (p.28).

## For users of CONTROL VINYL

If you use CONTROL VINYL, use a shop that handles Serato DJ products or an online shop such as that of Serato (<http://serato.com/>).

## How to read this manual

Be sure to read both this manual and the "Quick Start Guide – Serato DJ Edition". Both contain important information that you should understand before using this product.

For instructions on obtaining the Serato DJ software's manual, see *Acquiring the manual* (p.28).

This manual consists mainly of descriptions of the functions of this unit as hardware. For details about operating the Serato DJ software, see the Serato DJ software's manual and the "Quick Start Guide – Serato DJ Edition".

- The Serato DJ software manual can be downloaded from "Serato.com". For details, see *Downloading the Serato DJ software manual* (p. 28).
- The latest version of the operating instructions (this manual) and the "Quick Start Guide – Serato DJ Edition" can be downloaded from the Pioneer support site. For details, see *Downloading the latest versions of the operating instructions and the Quick Start Guide - Serato DJ Edition* (p.28).

- In this manual, names of channels and buttons indicated on the product, names of menus in the software, etc., are indicated within square brackets ([ ]). (e.g. [MASTER] channel, [ON/OFF], [File] menu)
- 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.

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# Before start

## Features

This unit is a 4-channel mixer optimally designed for DJ performances using the "Serato DJ" DJ software by Serato. It is equipped with an internal sound card that is compatible with Serato DJ, so performances using Serato DJ can be held immediately after connecting this unit with a computer using a USB cable, with no need to make any troublesome settings.

Furthermore, Serato DJ's scratch function can be controlled using the CONTROL VINYL (record) or CONTROL CD.

In addition, this unit carries over the main functions, quality and performance of the Pioneer DJM-900nexus, a standard model in clubs throughout the world, offering powerful support for performances by all professional DJs active in the club scene.

## PLUG AND PLAY

This unit is equipped with a built-in USB sound card for connecting a computer. A computer can be connected simply using a single USB cable; there is no need to procure a separate sound card in addition to this unit.

Also, when Serato DJ is launched, this unit is automatically selected as the sound device, so DJ performances using Serato DJ can be held immediately, with no need to make any troublesome settings.

Furthermore, Serato DJ's scratch function can be controlled using the CONTROL VINYL (record) or CONTROL CD.

## HIGH SOUND QUALITY

This unit uses a 32-bit D/A converter and other parts that are equivalent to those of high grade audio equipment, greatly improving the sound quality of not only the master output but also the headphones and booth output. The use of a 32-bit digital signal processor suppresses digital noise. Furthermore, for the analog circuitry as well, a high sound quality balanced hybrid operational amplifier and a fully balanced output circuitry are used to reduce noise.

## SOUND COLOR FX&BEAT FX

This unit is equipped with the SOUND COLOR FX and BEAT FX functions that have been well received on the DJM series. With SOUND COLOR FX, the effects you are aiming to create can be applied simply by turning the knob, letting you make original arrangements of tracks and enabling a wide variety of remixing possibilities. Also, the BPM and beat position information of the track currently playing with Serato DJ can be obtained via USB, so BEAT EFFECT can be applied on beat thanks to the highly precise BPM information. Also, by using the quantize mode, the effect timing is automatically corrected even if the BEAT EFFECT operation is performed off timing, so effects can be applied in beat.

## DURABLE FADER

The crossfader and channel faders use a sliding structure in which the fader knobs are supported by two metal shafts. This provides both smooth operation with no wobbling and high durability. It also keeps any adverse effects from liquids or dust getting into the faders to a minimum. For scratch play compatibility, the crossfader uses a uniquely developed magnetic system that provides a high durability of over 10 million operations with subtle operability. The channel faders provide approximately three times greater operation durability as compared to a previous Pioneer model (DJM-800).

## STANDARD LAYOUT

This unit carries over the control panel layout of the Pioneer DJM series, the world standard in DJ mixers.

The simple, straightforward control panel layout not only facilitates DJ performances but lets even DJs using this unit for the first time to operate it without hesitation, so it can be used without worry as a mixer that is permanently installed in the club.

## What's in the box

- CD-ROM (Installation Disc)
- USB cable
- Power cord
- Operating instructions (this document)
- Serato DJ CONTROL CD × 2

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# Installing the software

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## Installing the driver software

This driver software is a proprietary program for inputting and outputting audio signals from the computer. To use this unit connected to a computer on which a Windows or Mac OS is installed, install the driver software on the computer beforehand.

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Pioneer may terminate this Agreement at any time upon Your breach of any provision. If this Agreement is terminated, You will stop using the Program, permanently delete it from your computer or mobile device where it resides, and destroy all copies of the Program and Documentation in Your possession, confirming to Pioneer in writing that You have done so. Sections 2.2, 2.3, 2.4, 3, 4, 5, 6, 7 and 8 will continue in effect after this Agreement's termination.

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- 6 You agree that this Agreement shall be governed and construed by and under the laws of Japan.

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## Cautions on Installation

- Before installing the driver software, be sure to turn off the power of this unit and disconnect the USB cable from both this unit and your computer.
- If you connect this unit to your computer without installing the driver software first, an error may occur on your computer depending on the system environment.
- If you have discontinued the installation process in progress, step through the installation process again from the beginning according to the following procedure.



- Read *Software end user license agreement* carefully before installing this unit's proprietary driver software.
- Before installing the driver software, terminate all other programs running on your computer.
- The driver software is compatible with the following OSs.

Supported operating systems	
Mac OS X 10.6 / 10.7 / 10.8	✓
Windows® 8/Windows® 8 Pro	32-bit version
	64-bit version
Windows® 7 Home Premium/Professional/Ultimate	32-bit version
	64-bit version
Windows Vista® Home Basic/Home Premium/Business/Ultimate	32-bit version
	64-bit version
Windows® XP Home Edition/Professional (SP3 or later)	32-bit version
	✓

Windows® XP Professional x64 Edition is not supported.

- The included CD-ROM includes installation programs in the following 12 languages.  
English, French, German, Italian, Dutch, Spanish, Portuguese, Russian, Simplified Chinese, Traditional Chinese, Korean, and Japanese  
When using operating systems in other languages, follow the instructions on the screen to select **[English (English)]**.

## Installation Procedure (Windows)

Read *Cautions on Installation* carefully before installing the driver software.

- To install or uninstall the driver software, you need to be authorized by the administrator of your computer. Log on as the administrator of your computer before proceeding with the installation.

### 1 Insert the included CD-ROM into the computer's CD drive.

The CD-ROM menu is displayed.

- If the CD-ROM menu does not appear when the CD-ROM is inserted, double-click the CD drive from the **[Start]** menu – **[Computer]** (or **[My Computer]**).

### 2 From the menu that appears, select **[Install Driver Software]**, then click **[Start]**.

### 3 "Download the latest version? An internet environment is required to access the site." is displayed. Click **[Yes]**.

The web browser is launched and the Pioneer DJ support site is displayed.

### 4 Click **[Software Download]** under **[DJM-900SRT]** on the Pioneer DJ support site.

### 5 Click **[Driver Software]**.

### 6 From the download page, download the driver software for Windows (DJM-900SRT\_X.XXX.exe).

### 7 Double-click the downloaded file.

The driver installation screen appears.

### 8 Carefully read the *Software end user license agreement* and if you consent to the provisions, put a check mark in **[I agree.]** and click **[OK]**.

If you do not consent to the provisions of the *Software end user license agreement*, click **[Cancel]** and stop installation.

### 9 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 installing on Windows XP  
If **[Hardware Installation]** appears on the screen while the installation is in progress, click **[Continue Anyway]** and continue with the installation.
- When the installation program is completed, a completion message appears.

## Installation procedure (Mac OS X)

Read *Cautions on Installation* carefully before installing the driver software.

- To install or uninstall the driver software, you need to be authorized by the administrator of your computer. Have the name and password of the administrator of your computer ready in advance.

### 1 Insert the included CD-ROM into the computer's CD drive.

The CD-ROM folder appears.

- Double-click the CD icon on the desktop when folders are not displayed after a CD-ROM has been loaded.

### 2 Double-click **[CD\_menu.app]**.

### 3 From the menu that appears, select **[Install Driver Software]**, then click **[Start]**.

### 4 "Download the latest version? An internet environment is required to access the site." is displayed. Click **[Yes]**.

The web browser is launched and the Pioneer DJ support site is displayed.

### 5 Click **[Software Download]** under **[DJM-900SRT]** on the Pioneer DJ support site.

### 6 Click **[Driver Software]**.

### 7 From the download page, download the driver software for Mac OS (DJM-900SRT\_M\_X.XX.dmg).

### 8 Double-click the downloaded file.

The **[DJM-900SRT\_AudioDriver]** menu screen appears.

### 9 Double-click **[DJM-900SRT\_AudioDriver.pkg]**.

The driver installation screen appears.

### 10 Check the details on the screen and click **[Continue Anyway]**.

### 11 When the end user license agreement appears, read *Software end user license agreement* carefully, then click **[Continue Anyway]**.

### 12 If you consent to the provisions of the *Software end user license agreement*, click **[Agree]**.

If you do not consent to the provisions of the *Software end user license agreement*, click **[I disagree]** and stop installation.

### 13 Proceed with installation according to the instructions on the screen.

- Click **[Cancel]** to cancel installation after it has started.

## Installing the Serato DJ software

Serato DJ is a DJ software application by Serato. DJ performances are possible by connecting the computer on which this software is installed to this unit.

See the "Quick Start Guide - Serato DJ Edition" for the procedure for making the initial settings required to use the CONTROL CD or CONTROL VINYL in order to operate Serato DJ. The "Quick Start Guide - Serato DJ Edition" can be downloaded from the Pioneer DJ support site (<http://pioneerdj.com/support/>). For downloading instructions, see *Downloading the latest versions of the operating instructions and the Quick Start Guide - Serato DJ Edition* in this manual (p.28).

For the latest version of the Serato DJ software, access Serato.com and download the software from there. A software download link is also provided on the included CD-ROM.

Please note that the software screens and specifications used for explanations in this manual are under development and may differ from the final specifications. For instructions on operating the Serato DJ software, see the Serato DJ software's manual.

- The Serato DJ software's manual can be downloaded from "Serato.com". For details, see *Downloading the Serato DJ software manual* (p.28).

### Minimum operating environment

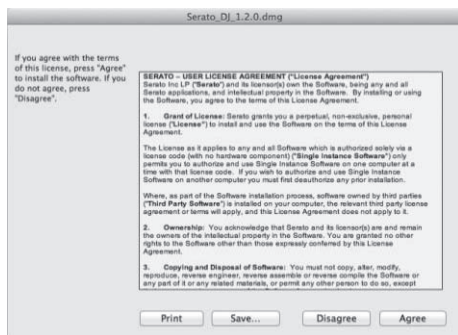
Supported operating systems		CPU and required memory
Mac OS X: 10.6.8, 10.7.4 and 10.8	32-bit version	Intel® processor, Core™ 2 Duo 2.0 GHz or better
		1 GB or more of RAM
	64-bit version	Intel® processor, Core™ 2 Duo 2.4 GHz or better
		4 GB or more of RAM
Windows: Windows 7	32-bit version	Intel® processor, Core™ 2 Duo 2.0 GHz or better
		2 GB or more of RAM
	64-bit version	Intel® processor, Core™ 2 Duo 2.4 GHz or better
		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 1 280 x 720 or greater	
Internet connection	An Internet connection is required for registering the "Serato.com" user account and downloading the software.	

- For the latest information on the required operating environment and compatibility as well as to acquire the latest operating system, refer to **"Software Info"** under **"DJM-900SRT"** on the Pioneer DJ support site below.  
<http://pioneerdj.com/support/>
- Operation is not guaranteed on all computers, even if all the required operating environment conditions indicated here are fulfilled.





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



- If you do not agree to the contents of the usage agreement, click **[Disagree]** to cancel installation.

12 If the following screen appears, drag and drop the [Serato DJ] icon on the [Applications] folder icon.



# Connections

Be sure to turn off the power and unplug the power cord from the power outlet whenever making or changing connections.

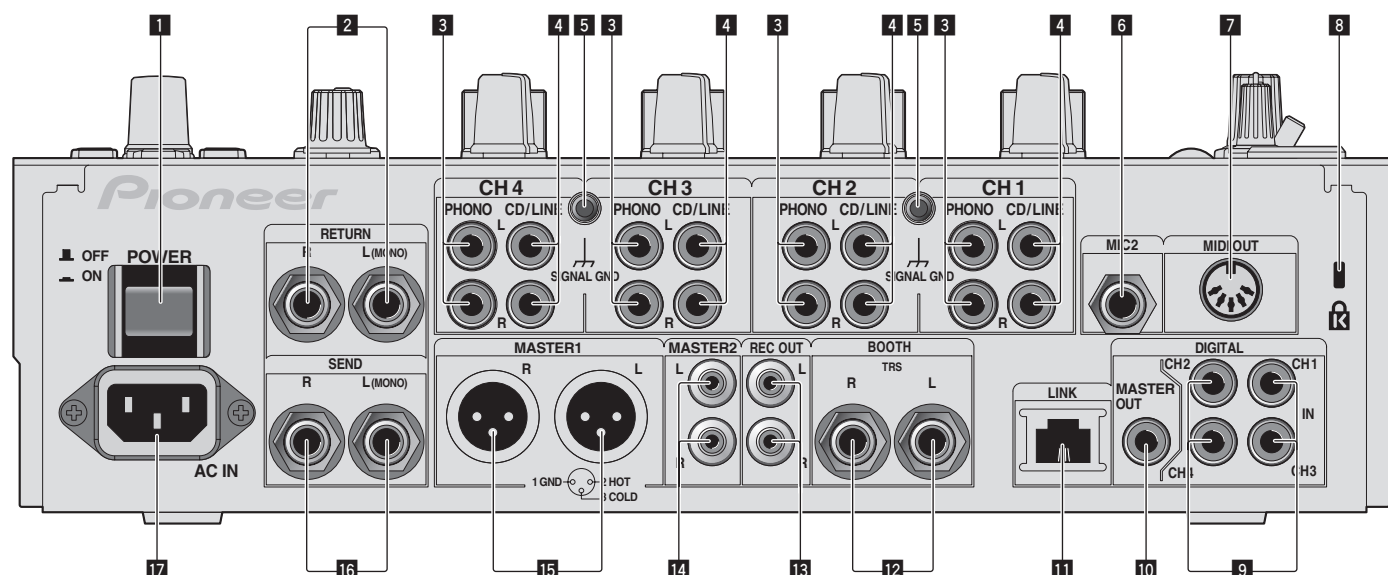
Connect the power cord after all the connections between devices have been completed.

Be sure to use the included power cord.

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

- When creating a DVS (Digital Vinyl System) combining a computer, audio interface, etc., be careful in connecting the audio interface to this unit's input terminals and in the settings of the input selector switches.
- Also refer to the operating instructions of the DJ software and audio interface.

## Rear panel



### 1 POWER button (page 14)

Turns this unit's power on and off.

### 2 RETURN terminals (page 11)

Connect to the output terminal of an external effector. When the [L (MONO)] channel only is connected, the [L (MONO)] channel input is simultaneously input to the [R] channel.

### 3 PHONO terminals (page 11)

Connect to a phono level (MM cartridge) output device. Do not input line level signals.

To connect a device to the [PHONO] terminals, remove the short-circuit pin plug inserted in the terminals.

Insert this short-circuit pin plug into the [PHONO] terminals when nothing is connected to them to cut external noise.

### 4 CD/LINE terminals (page 11)

Connect to a DJ player or a line level output component.

### 5 SIGNAL GND terminal (page 11)

Connects an analog player's ground wire here. This helps reduce noise when the analog player is connected.

### 6 MIC2 terminal (page 11)

Connects a microphone here.

### 7 MIDI OUT terminal (page 11)

Connects this to the MIDI IN terminal on an external MIDI sequencer.

### 8 Kensington security slot

### 9 DIGITAL IN terminal (page 11)

Connect these to the digital coaxial output terminals on DJ players, etc. The sound may be momentarily interrupted when the output signal sampling frequency is switched.

### 10 DIGITAL MASTER OUT terminal (page 11)

Outputs the master channel audio signals.

### 11 LINK terminal (page 11)

Connect these to the LINK terminals on Pioneer DJ players or the LAN ports of computers on which rekordbox is installed (PRO DJ LINK).

To connect multiple devices, use a switching hub (commercially available).

Use a 100Base-TX-compatible switching hub. Some switching hubs may not operate properly.

### 12 BOOTH terminals (page 11)

These are output terminals for a booth monitor.

### 13 REC OUT terminals (page 11)

These are output terminals for recording.

### 14 MASTER2 terminals (page 11)

Connect to a power amplifier, etc.

### 15 MASTER1 terminals (page 11)

Connect to a power amplifier, etc.

Be sure to use these as balanced outputs. **Be careful not to accidentally insert the power cord of another unit.**

### 16 SEND terminals (page 11)

Connect to the input terminal of an external effector. When the [L (MONO)] channel only is connected, a monaural audio signal is output.

### 17 AC IN

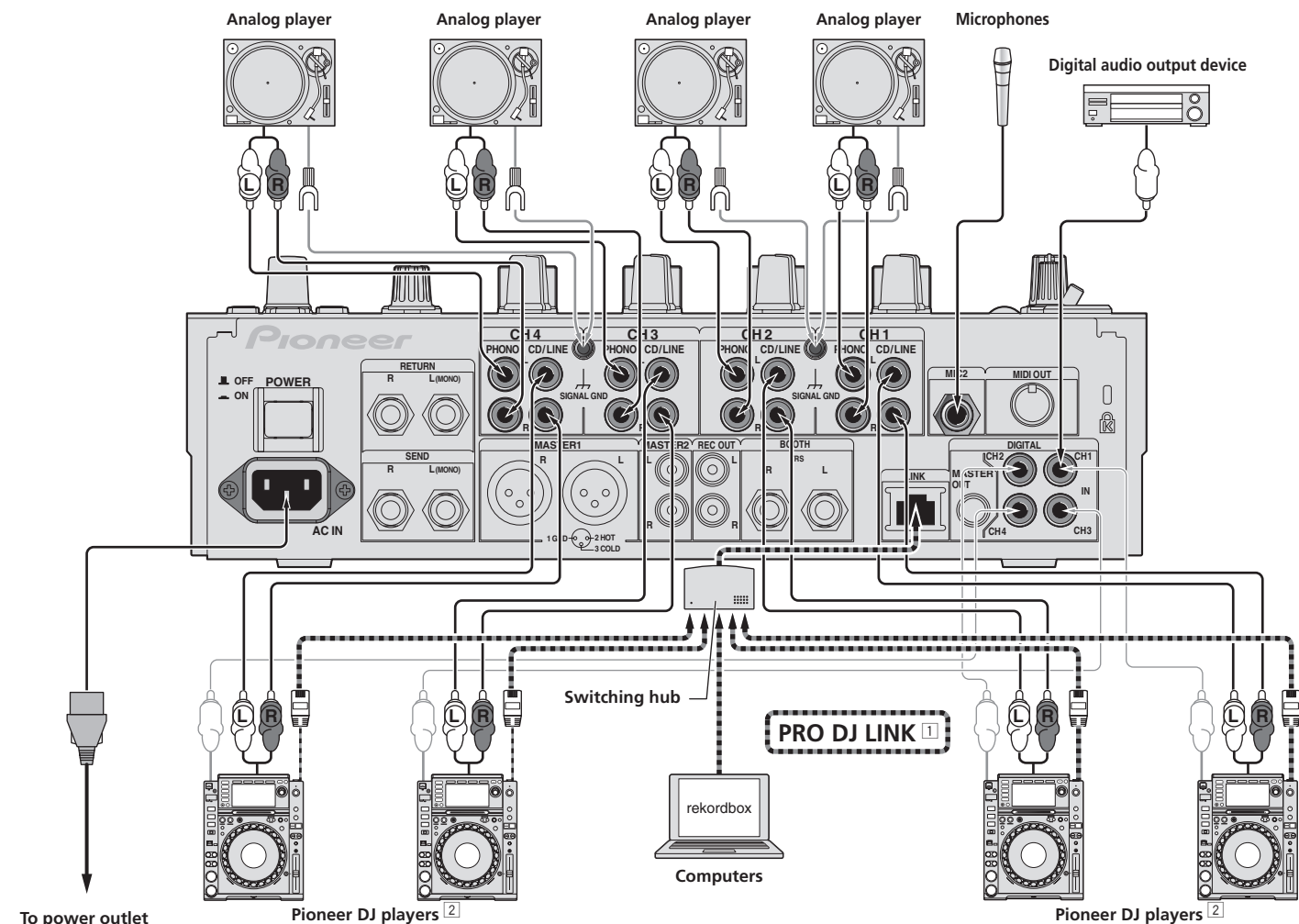
Connects to a power outlet using the included power cord. Wait until all connections between the equipment are completed before connecting the power cord. Be sure to use the included power cord.

### WARNING

The short-circuit pin plugs out of the reach of children and infants. If accidentally swallowed, contact a doctor immediately.

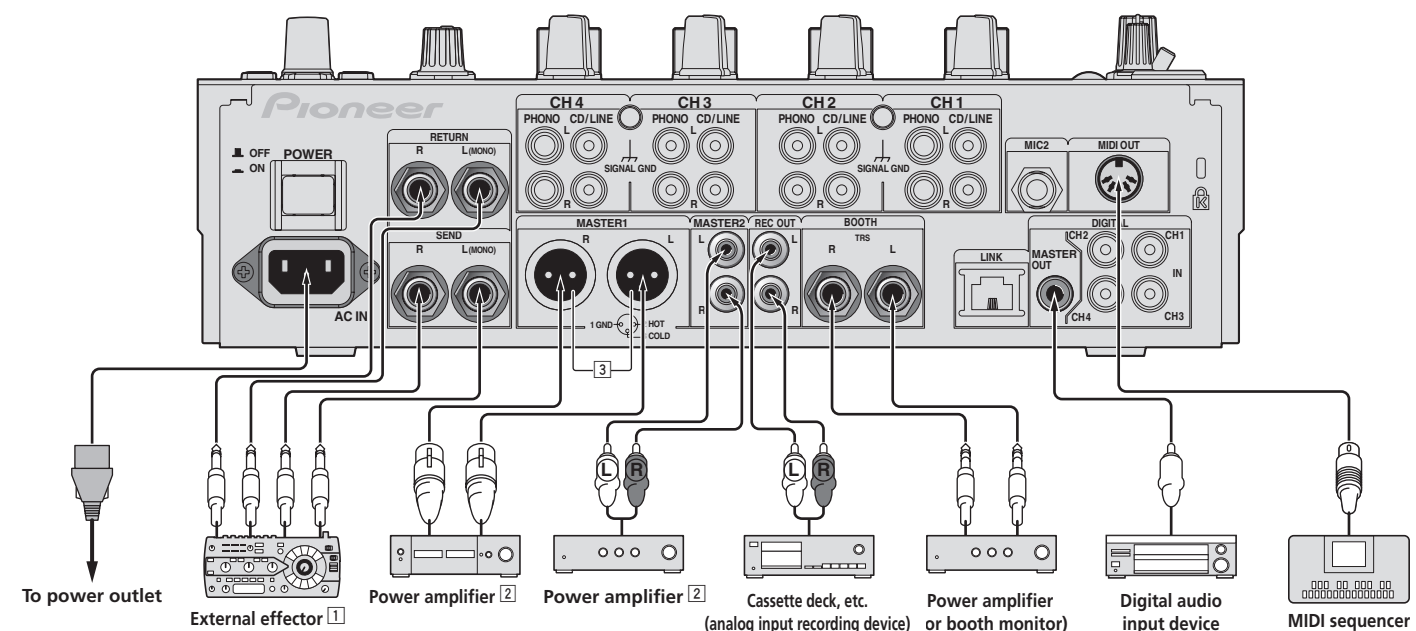
## Connecting input terminals

- When creating a DVS (Digital Vinyl System) combining a computer, audio interface, etc., be careful in connecting the audio interface to this unit's input terminals and in the settings of the input selector switches.  
Also refer to the operating instructions of the DJ software and audio interface.



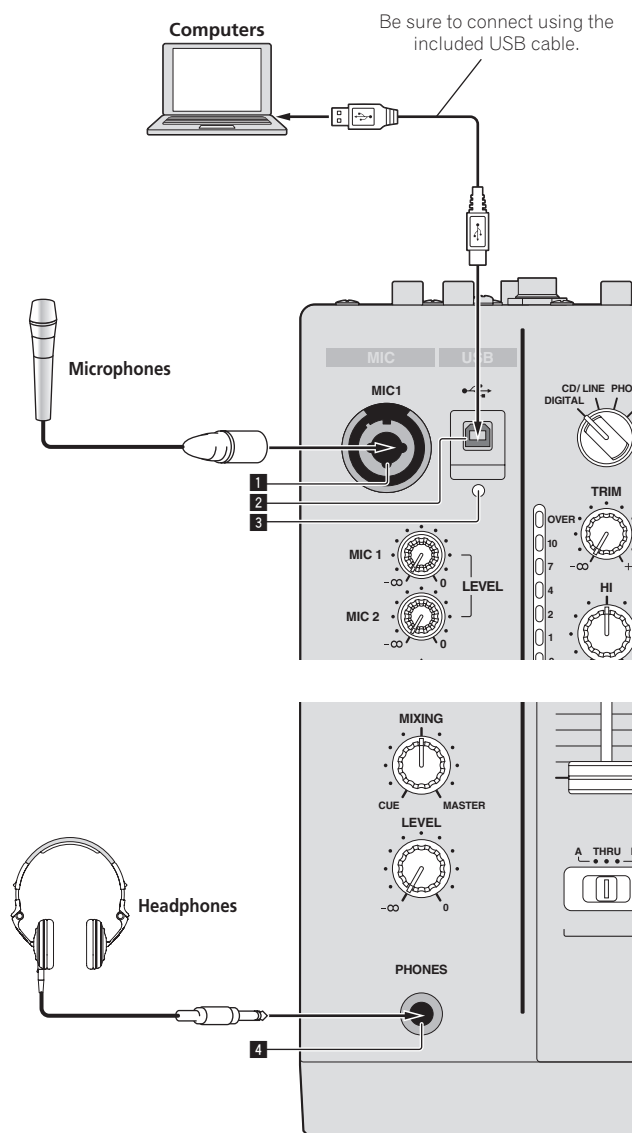
- 1 For details on PRO DJ LINK, see *About PRO DJ LINK* on page 15.  
2 To use the fader start function with PRO DJ LINK, connect a LAN cable (page 16).

## Connecting output terminals



- 1 Also connect the external effector to the [RETURN] terminal (input terminal).  
2 Be sure to use the [MASTER1] terminals only for a balanced output. Connection with an unbalanced input (such as RCA) using an XLR to RCA converter cable (or converter adapter), etc., may lower the sound quality and/or result in noise.  
For connection with an unbalanced input (such as RCA), use the [MASTER2] terminals.  
3 Be careful not to accidentally insert the power cord of another unit to [MASTER1] terminal.

## Connecting to the control panel



### 1 MIC1 terminal (page 15)

Connects a microphone here.

### 2 USB terminal (page 12)

Connect the computer.

### 3 USB connection indicator

Lights when signals are being exchanged with the computer.

### 4 PHONES terminal (page 14)

Connect headphones here.

## Connecting this unit and computer

For instructions on operating in combination with Serato DJ, see the "Quick Start Guide – Serato DJ Edition". For details, see *Downloading the latest versions of the operating instructions and the Quick Start Guide - Serato DJ Edition* (p.28).

### 1 Connect this unit to your computer via a USB cable.

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

- This operation does not work with computers that do not support USB 2.0.
- When using ASIO-compatible applications, **[USB DECK 3]**, **[USB DECK 1]**, **[USB DECK 2]** and **[USB DECK 4]** can be used as inputs.
- When using DirectX-compatible applications, only **[USB DECK 3]** can be used as the input.
- The computer's recommended operating environment depends on the DJ application. Be sure to check the recommended operating environment for the DJ application you are using.
- When another USB audio device is connected to the computer at the same time, it may not operate or be recognized normally.  
We recommend only connecting the computer and this unit.
- When connecting the computer and this unit, we recommend connecting directly to this unit's USB port.

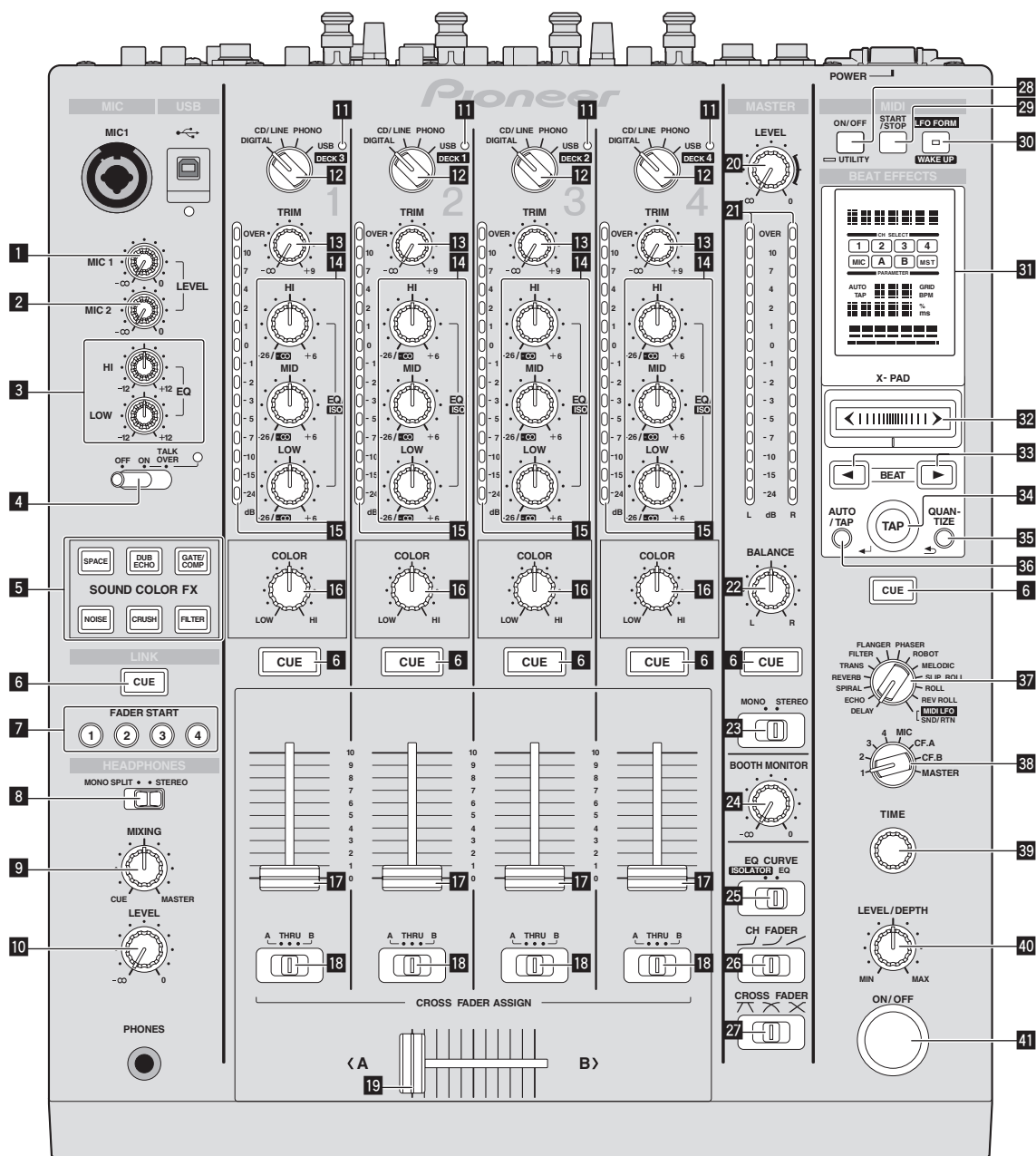
### 2 Press [POWER] button.

Turn on the power of this unit.

- For Windows
  - 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.
- When installing on Windows XP
  - **[Can Windows connect to Windows Update to search for software?]** may appear while the installation is in progress. Select **[No, not this time]**, then click **[Next]** to continue installation.
  - **[What do you want the wizard to do?]** may appear while the installation is in progress. Select **[Install the software automatically (Recommended)]**, then click **[Next]** to continue installation.
  - If **[Windows Security]** appears on the screen while the installation is in progress, click **[Install this driver software anyway]** and continue with the installation.

# Operation

## Control Panel



### 1 MIC1 LEVEL control (page 15)

Adjusts the sound level output from the [MIC1] channel.

### 2 MIC2 LEVEL control (page 15)

Adjusts the sound level output from the [MIC2] channel.

### 3 EQ (HI, LOW) controls (page 15)

These adjust the tone quality of the [MIC1] and [MIC2] channels.

### 4 OFF, ON, TALK OVER selector switch (page 15)

Turns the microphone on/off.

### 5 SOUND COLOR FX buttons (page 16)

These turn the SOUND COLOR FX effects on/off.

### 6 CUE button (page 14)

Presses the [CUE] button(s) for the channel(s) you want to monitor.

### 7 FADER START (1, 2, 3, 4) buttons (page 16)

These turn the fader start function on/off.

### 8 MONO SPLIT, STEREO selector switch (page 14)

Switches how the monitor sound output from the headphones is distributed.

### 9 MIXING control (page 14)

This adjusts the monitor volume balance of the sound of channels for which the [CUE] button is pressed and the sound of the [MASTER] channel.

### 10 LEVEL control (page 14)

Adjusts the sound level output from the headphones.

### 11 USB audio input indicator

Lights when sound is being input from the computer to the various channels.

### 12 Input selector switches (page 14)

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

### 13 TRIM control (page 14)

Adjusts the level of audio signals input in each channel.

### 14 EQ/ISO (HI, MID, LOW) controls (page 14)

These adjust the sound quality of the respective channels.

### 15 Channel Level Indicator (page 14)

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

## 16 COLOR control (page 16)

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

## 17 Channel Fader (page 14)

Adjusts the level of audio signals output in each channel.

## 18 CROSS FADER ASSIGN (A, THRU, B) selector switch (page 14)

Sets the output destination of each channel to [A] or [B].

## 19 Crossfader (page 14)

Outputs audio signals assigned by the crossfader assign switch corresponding to the curve characteristics selected by [CROSS FADER] (Crossfader Curve Selector Switch).

## 20 MASTER LEVEL control (page 14)

Adjusts the audio level output from the [MASTER1] and [MASTER2] terminals.

## 21 Master Level Indicator (page 14)

Displays the audio level output from the [MASTER1] and [MASTER2] terminals.

## 22 BALANCE control (page 15)

Adjusts the left/right balance of the sound output from the [MASTER1] terminals, etc.

## 23 MONO, STEREO selector switch (page 15)

Switches the sound output from the [MASTER1] terminals, etc., between monoaural and stereo.

## 24 BOOTH MONITOR control (page 15)

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

## 25 EQ CURVE (ISOLATOR, EQ) selector switch (page 14)

Switches the function of the [EQ/ISO (HI, MID, LOW)] controls.

## 26 CH FADER (↘, ↗, ↖) selector switch (page 15)

Switches the channel fader's curve characteristics.

## 27 CROSS FADER (∧, ∨, ×) selector switch (page 15)

This switches the crossfader curve characteristics.

## 28 ON/OFF (UTILITY) button

- **ON/OFF**: Turns the MIDI function on/off (page 17).
- **UTILITY**: Displays the [USER SETUP] or [CLUB SETUP] screen (page 24).

## 29 START/STOP button (page 18)

Sends the MIDI start/MIDI stop signals.

## 30 LFO FORM (WAKE UP) button

- **LFO FORM**: When [MIDI LFO] is selected at BEAT EFFECT, the MIDI signal's waveform switches each time the button is pressed (page 20).
- **WAKE UP**: Cancels the auto standby mode.

## 31 Main unit display

## 32 X-PAD (page 17)

Adjusts the quantitative parameter of the BEAT EFFECT function.

## 33 BEAT ◀, ▶ buttons (page 16)

Set the beat fraction for synchronizing the effect sound.

## 34 TAP (ENTER) button

- **TAP**: When the BPM measurement mode is set to [TAP], the BPM is input manually by tapping the button with a finger (page 16).
- **ENTER**: Used to change this unit's settings (page 24).

## 35 QUANTIZE button

When the QUANTIZE function is turned on for BEAT EFFECT, the effect is applied to the sound without going off tempo when the currently playing track. (page 15).

## 36 AUTO/TAP button (page 16)

Switches the BPM measurement mode.

## 37 Beat effect selector switch (page 16)

Switches the BEAT EFFECT effect type.

## 38 Effect channel selector switch (page 16)

Switches the channel to which the BEAT EFFECT is to be applied.

## 39 TIME control (page 16)

Adjusts the BEAT EFFECT's time parameter.

## 40 LEVEL/DEPTH control (page 16)

Adjusts the BEAT EFFECT's quantitative parameter.

## 41 ON/OFF button (page 16)

Turns the BEAT EFFECT function on/off.

Do not pull on the channel fader and crossfader knobs with excessive force. The knobs have a structure by which they cannot be pulled off easily. Pulling the knobs strongly may result in damaging the unit.

# Basic Operation

## Outputting sound

### 1 Press [POWER] button.

Turn on the power of this unit.

### 2 Switch the input selector switches.

Selects the input sources for the different channels from among the devices connected to this unit.

- [DIGITAL]: Selects the DJ player connected to the [DIGITAL] terminals.
- [PHONO]: Selects the analog player connected to the [PHONO] terminals.
- [CD/LINE]: Selects the cassette deck or CD player connected to the [CD/LINE] terminals.
- [USB]: Selects the sound of the computer connected to the [USB] port.

### 3 Turn the [TRIM] control.

Adjusts the level of audio signals input in each channel.

The corresponding channel level indicator lights when audio signals are being properly input to that channel.

### 4 Move the channel fader away from you.

Adjusts the level of audio signals output in each channel.

### 5 Switch the [CROSS FADER ASSIGN (A, THRU, B)] selector switch.

Switches the output destination of each channel.

- [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.)

### 6 Set the crossfader.

This operation is not necessary when the [CROSS FADER ASSIGN (A, THRU, B)] selector switch is set to [THRU].

### 7 Turn the [MASTER LEVEL] control.

Audio signals are output from the [MASTER1] and [MASTER2] terminals.

The master level indicator lights.

## Adjusting the sound quality

### 1 Switch the [EQ CURVE (ISOLATOR, EQ)] selector switch.

- [ISOLATOR]: Functions as an isolator.
- [EQ]: The equalizer function is set.

### 2 Turn the [EQ/ISO (HI, MID, LOW)] controls for the respective channels.

The adjustable ranges for the respective controls are as shown below.

- **HI**: -26 dB to +6 dB (13 kHz)
- **MID**: -26 dB to +6 dB (1 kHz)
- **LOW**: -26 dB to +6 dB (70 Hz)

## Monitoring sound with headphones

### 1 Connect headphones to the [PHONES] terminal.

### 2 Press the [CUE] button(s) for the channel(s) you want to monitor.

### 3 Switch the [MONO SPLIT, STEREO] selector switch.

- [MONO SPLIT]: The sound of the channels for which the [CUE] button is pressed is output from the headphones output's left channel, the [MASTER] channel sound is output from the right channel.
- [STEREO]: The sound of the channels for which the [CUE] button is pressed is output from the headphones in stereo.

### 4 Turn the [MIXING] control.

This adjusts the monitor volume balance of the sound of channels for which the [CUE] button is pressed and the sound of the [MASTER] channel.

### 5 Turn the [LEVEL] control for [HEADPHONES].

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

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



## Switching the fader curve

### ❖ Select the channel fader curve characteristics

Switch the [CH FADER (↘, ↗, ↖)] selector switch.

- [↘]: The curve rises suddenly at the back side.
- [↗]: A curve between the ones above and below is set.
- [↖]: The curve rises gradually (the sound gradually increases as the channel fader is moved away from the front side).

### ❖ Select the crossfader curve characteristics

Switch the [CROSS FADER (↗, ↘, ↖)] selector switch.

- [↗]: Makes a sharply increasing curve (if the crossfader is moved away from the [A] side, audio signals are immediately output from the [B] side).
- [↘]: Makes a curve shaped between the two curves above and below.
- [↖]: Makes a gradually increasing curve (if the crossfader is moved away from the [A] side, the sound on the [B] side gradually increases, while the sound on the [A] side gradually decreases).

## Using a microphone

### 1 Connect a microphone to the [MIC1] or [MIC2] terminal.

### 2 Set the [OFF, ON, TALK OVER] selector switch to [ON] or [TALK OVER].

- [ON]: The indicator lights.
- [TALK OVER]: The indicator flashes.
- When set to [TALK OVER], the sound of channels other than the [MIC] channel is attenuated by 18 dB (default) when a sound of -10 dB or greater is input to the microphone.
- The [TALK OVER] sound attenuation level can be changed at [USER SETUP]. For instructions on changing this, see *Changing the settings* on page 24.
- The talk over mode can be switched to the normal mode or the advanced mode. For instructions on changing it, see *Changing the settings* on page 24.

### 3 Turn the [MIC1 LEVEL] or [MIC2 LEVEL] control.

Adjust the level of the sound output from the [MIC] channel.

- Pay attention that rotating to the extreme right position outputs a very loud sound.

### 4 Input audio signals to the microphone.

### ❖ Adjusting the sound quality

Turn the [MIC] channels' [EQ (HI, LOW)] controls.

The adjustable ranges for the respective controls are as shown below.

- **HI**: -12 dB to +12 dB (10 kHz)
- **LOW**: -12 dB to +12 dB (100 Hz)

## Switching between monaural and stereo audio

This switches the sound output from the [MASTER1], [MASTER2], [BOOTH], [REC OUT], [PHONES], [DIGITAL MASTER OUT] and [USB] terminals between monaural and stereo.

- To adjust the sound output from the [USB] terminals, select [MIX (REC OUT)] at [Mixer Audio Output] in the setting utility.

Switch the [MONO, STEREO] selector switch.

- [MONO]: Outputs monaural audio.
- [STEREO]: Outputs stereo audio.

### ❖ Adjusting the L/R balance of audio

The left/right balance of the sound output from the [MASTER1], [MASTER2], [BOOTH], [REC OUT], [PHONES], [DIGITAL MASTER OUT] and [USB] terminals can be adjusted.

- To adjust the sound output from the [USB] terminals, select [MIX (REC OUT)] at [Mixer Audio Output] in the setting utility.

### 1 Set the [MONO, STEREO] selector switch to [STEREO].

### 2 Turn the [BALANCE] control.

The sound's left/right balance changes according to the direction in which the [BALANCE] control is turned and its position.

- Rotating to the rightmost position outputs only the right sound of stereo audio. Rotating to the leftmost position outputs only the left sound of stereo audio.

## Audio is output from the [BOOTH] terminal

Turn the [BOOTH MONITOR] control.

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

## Advanced Operations

### Using Serato DJ-supported functions

When this unit and a computer on which Serato DJ is running are connected by USB cable, the functions below can be used.

#### ❖ QUANTIZE

When tracks that have been analyzed with Serato DJ are used, tracks are put on beat even if the [BEAT EFFECTS] [ON/OFF] button is pressed or the [X-PAD] is touched roughly.

#### ❖ FADER START

Playback of tracks in Serato DJ can be started by operating this unit's fader (Fader Start Play).

### About PRO DJ LINK

When a Pioneer DJ player supporting PRO DJ LINK (e.g. CDJ-2000nexus, CDJ-2000, CDJ-900), a computer on which rekordbox is installed and this unit are connected by LAN cable, the PRO DJ LINK functions below can be used.

For more details on the PRO DJ LINK function, also refer to the DJ player's handling instructions and rekordbox's operating instructions.

For instructions on connections, see *Connecting input terminals* on page 11.

- When connected using a switching hub, up to 4 DJ players and 2 computers can be connected.
- Use a 100Base-TX-compatible switching hub. Some switching hubs may not operate properly.
- Set the DJ player's player number to the same number as the channel to which the audio cable is connected.

#### ❖ QUANTIZE

When tracks analyzed with rekordbox are used, the track is put on beat even when the [ON/OFF] button of [BEAT EFFECTS] is pressed or the [X-PAD] is touched roughly.

#### ❖ FADER START

Playback on the DJ player can be started by operating this unit's fader (Fader Start Play).

#### ❖ LINK MONITOR

With this function, rekordbox music files stored on the computer can be quickly monitored over the headphones.

#### ❖ STATUS INFORMATION

This function informs the DJ players of the connected channel status (on-air status, channel number, etc.).

## Using the QUANTIZE function

Effects can be applied to the sound in tempo with the currently playing track based on the GRID information of tracks that have been analyzed with Serato DJ or rekordbox.

To use the QUANTIZE function with PRO DJ LINK, connect this unit and a PRO DJ LINK-compatible Pioneer DJ player beforehand. For instructions on connecting, see *Connecting input terminals* on page 11.

In addition, music files must have been analyzed with rekordbox beforehand in order to use the QUANTIZE function. For instructions on analyzing music files with rekordbox, also see rekordbox's operating instructions.

- When using in combination with the CDJ-2000nexus, first update the firmware to version 1.02 or later.
- To use in combination with the CDJ-2000 or CDJ-900, first update the firmware to version 4.0 or later.

### 1 Press the [QUANTIZE] button.

The QUANTIZE function turns on.

[GRID] lights on this unit's main unit display when the GRID information has been properly received from Serato DJ or the DJ player and the QUANTIZE function can be used. [GRID] flashes if the GRID information has not been properly received.

- Depending on the playing status of Serato DJ or the DJ player (off air, scratching, playing in reverse, etc.), it may not be possible to receive the GRID information.

## 2 Press the [ON/OFF] button of [BEAT EFFECTS] or touch the [X-PAD].

The effect is added to the sound in tempo with the track being played.

- When the [QUANTIZE] button is pressed again, the QUANTIZE function turns off.

## Using the FADER START function

When this unit and a computer on which Serato DJ is running are connected by USB cable, such operations as starting playback of tracks in Serato DJ can be controlled using this unit's fader.

Connect this unit and a computer on which Serato DJ is running beforehand.

In the same way, when this unit and a Pioneer DJ player are connected by LAN cable, such operations as starting playback of the DJ player can be controlled using this unit's fader.

Connect the Pioneer DJ player and this unit beforehand. For instructions on connecting, see *Connecting input terminals* on page 11.

For instructions on setting the player numbers of Pioneer DJ players, see *About PRO DJ LINK* on page 15.

The fader start function can be switched on and off for all DJ players all at once. For the switching procedure, see *Changing the settings* on page 24.

- The FADER START function cannot be used when attempting to perform DVS control while Serato DJ is set to the Absolute mode. When one of the [FADER START (1, 2, 3, 4)] buttons is pressed while the Absolute mode is set, that button flashes then turns off.

### ❖ Start playback using the channel fader

#### 1 Set the [CROSS FADER ASSIGN (A, THRU, B)] selector switch to [THRU].

#### 2 Press one of the [FADER START (1, 2, 3, 4)] buttons.

Select the channel to be started with the fader start function.

- For Serato DJ
  - [Fader Start 1] button: Selects [DECK 3].
  - [Fader Start 2] button: Selects [DECK 1].
  - [Fader Start 3] button: Selects [DECK 2].
  - [Fader Start 4] button: Selects [DECK 4].

#### 3 Set the channel fader to the nearest position towards you.

#### 4 Set a cue in Serato DJ or on the DJ player.

The track cues to the cue point and the pause mode is set.

#### 5 Move the channel fader away from you.

Playback of the track in Serato DJ or the DJ player starts.

- If you set the channel fader back to the original position, the player instantaneously returns to the cue point already set and pauses playback (back cue).

### ❖ Start playback using the crossfader

#### 1 Set the [CROSS FADER ASSIGN (A, THRU, B)] selector switch to [A] or [B].

#### 2 Press one of the [FADER START (1, 2, 3, 4)] buttons.

Select the channel to be started with the fader start function.

- For Serato DJ
  - [Fader Start 1] button: Selects [DECK 3].
  - [Fader Start 2] button: Selects [DECK 1].
  - [Fader Start 3] button: Selects [DECK 2].
  - [Fader Start 4] button: Selects [DECK 4].

#### 3 Set the crossfader.

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

#### 4 Set a cue in Serato DJ or on the DJ player.

The track cues to the cue point and the pause mode is set.

#### 5 Set the crossfader.

Playback of the track in Serato DJ or the DJ player starts.

- If you set the crossfader back to the original position, the player instantaneously returns to the cue point already set and pauses playback (back cue).

## Using the LINK MONITOR function

- Check [Use "LINK MONITOR" of Pioneer DJ Mixers.] at [File] > [Preferences] > [Audio] in rekordbox beforehand. Also refer to the rekordbox operating instructions.

### 1 Connect headphones to the [PHONES] terminal.

### 2 Connect a computer on which rekordbox is installed.

For instructions on connections, see *Connecting input terminals* on page 11.

### 3 Selecting the track to be monitored with rekordbox.

### 4 Press the [CUE] button for [LINK].

The track selected with rekordbox is output from the headphones.

- When the [CUE] button is pressed again, monitoring is canceled.
- The same operation as at *Monitoring sound with headphones* (steps 3 to 5) can be performed.

## Using the SOUND COLOR FX function

These are effects that change in association with the [COLOR] control.

### 1 Press one of the [SOUND COLOR FX] selection buttons.

This selects the type of effect.

The button that was pressed flashes.

- Even if one of the [SOUND COLOR FX] selection buttons is already selected, when a different button is selected and pressed, that button is selected.
- For the types of effects, see *Types of SOUND COLOR FX effects* on page 19.
- The same effect is set for [CH1] to [CH4].

### 2 Turn the [COLOR] control.

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

### ❖ Canceling the SOUND COLOR FX effect

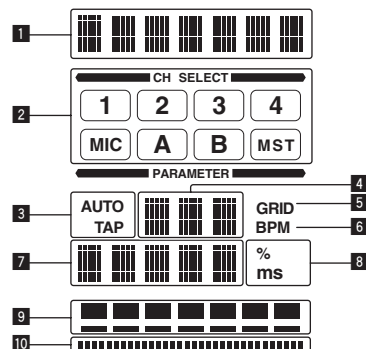
#### Press the [SOUND COLOR FX] selection button that is flashing.

The effect is canceled.

## Using the BEAT EFFECT function

This function lets you instantaneously set various effects according to the tempo (BPM = Beats Per Minute) of the currently playing track.

### Main unit display



1	Effect display section	The name of the selected effect is displayed.
2	Channel select display section	The name of the channel to which the effect is applied is displayed.
3	AUTO (TAP)	[AUTO] lights when the BPM measurement mode is set to the auto mode. [TAP] lights when in the manual input mode.
4	BPM value display (3 digits)	When the BPM cannot be detected, the previously detected BPM value is displayed and flashes. When in the manual input mode, this displays the BPM value that was input manually.
5	GRID	This lights when Serato DJ is running and the QUANTIZE function can be used. It also lights when playing a track that has been analyzed with rekordbox and the QUANTIZE function can be used in combination with the DJ player. It flashes or is off when the QUANTIZE function cannot be used.
6	BPM	This is always lit.
7	Parameter display section	This displays the parameters specified for the individual effects. When the [BEAT ◀ ▶] button is pressed, the corresponding beat fraction is displayed for 1 second. When a value outside the parameter range is specified with the [BEAT ◀ ▶] button, the value does not change and the display flashes.
8	% (ms)	These light according to the units for the different effects.
9	Beat display section	This lights according to the selected beat number position.
10	Touch display section	This lights when the [X-PAD] is touched.

### 1 Press [AUTO/TAP] button.

Select the BPM measurement mode.

- **[AUTO]**: The BPM is measured automatically from the audio signal that is being input. The **[AUTO]** mode is set when this unit's power is turned on.
- **[TAP]**: The BPM is input manually by tapping the **[TAP]** button with a finger.
- The **[AUTO]** BPM measurement range is BPM = 70 to 180. With some tracks it may not be possible to measure the BPM correctly. If the BPM cannot be measured, the BPM value on the display flashes. In such cases, use the **[TAP]** button to input the BPM manually.

## 2 Turn the beat effect selector switch.

This selects the type of effect.

- For the types of effects, see *Types of BEAT EFFECT* on page 19.
- To use **[SND/RTN]**, see *Using the external effector* below.
- To use **[MIDI LFO]**, see *Using the MIDI LFO* on page 17.

## 3 Turn the effect channel selector switch.

This selects the channel to which the effect is applied.

- **[1] – [4]**: The effect is applied to the sound of the respective channel.
- **[MIC]**: The effect is applied to the sound of **[MIC]** channel.
- **[CF.A]**, **[CF.B]**: The effect is applied to the sound of the crossfader's **[A]** (left) or **[B]** (right) side.
- **[MASTER]**: The effect is applied to the sound of the **[MASTER]** channel.
- This operation is not necessary when **[MIDI LFO]** is selected.

## 4 Press the [BEAT ◀, ▶] button.

Set the beat fraction for synchronizing the effect sound.

The effect time corresponding to the beat fraction is set automatically.

## 5 Press the [ON/OFF] button for [BEAT EFFECTS].

The effect is applied to the sound.

The effect's time parameter can be adjusted by turning the **[TIME]** control.

The effect's quantitative parameter can be adjusted by turning the **[LEVEL/DEPTH]** control.

The **[ON/OFF]** button flashes when the effect is on.

- When the **[ON/OFF]** button is pressed again, the effect turns off.

## ❖ Inputting the BPM manually

### Tap the [TAP] button at least 2 times in rhythm with the beat (in quarter notes) of the sound being played.

The average value of the interval at which the **[TAP]** button was tapped by finger is set as the BPM.

- When the BPM is set using the **[TAP]** button, the beat fraction is set to **[1/1]** and the time of one beat (quarter note) is set as the effect time.
- The BPM can be set manually by turning the **[TIME]** control while pressing the **[TAP]** button.
- The BPM can be set in units of 0.1 by pressing the **[AUTO/TAP]** button while pressing the **[TAP]** button and turning the **[TIME]** control while pressing the two buttons.

## ❖ Using the external effector

### 1 Connect this unit and external effector.

For instructions on connections, see *Connecting output terminals* on page 11.

### 2 Turn the beat effect selector switch.

Select **[SND/RTN (MIDI LFO)]**.

### 3 Turn the effect channel selector switch.

This selects the channel to which the effect is applied.

### 4 Press the [ON/OFF] button for [BEAT EFFECTS].

The sound that has passed through the external effector is output from the **[MASTER]** channel.

- When the **[ON/OFF]** button is pressed again, the effect turns off.

## Operating the [X-PAD]

Operating procedure	[ON/OFF] button status of [BEAT EFFECTS]	X-PAD	Effect
①	Off (lit)	Release ↔ Touch	Off ↔ On
②	On (flashing)	Release ↔ Touch	On ↔ On

## ❖ Operating procedure ①

### 1 Perform steps 1 to 4 of the Using the BEAT EFFECT function procedure.

### 2 Touch the [X-PAD].

The **[X-PAD]** turns the effect on and off and changes the quantitative parameter.

- When you release your finger from the **[X-PAD]**, the effect turns off.
- To keep the effect on when you release your finger from the **[X-PAD]**, while touching the **[X-PAD]** press the **[ON/OFF]** button of **[BEAT EFFECTS]**, then release your finger from the **[X-PAD]**.

## ❖ Operating procedure ②

### 1 Perform steps 1 to 5 of the Using the BEAT EFFECT function procedure.

### 2 Touch the [X-PAD].

The **[X-PAD]** changes the effect's quantitative parameter.

## Operating DJ software using the MIDI function

This unit outputs the operation information of buttons and controls in universal MIDI format.

When connected by USB cable to a computer on which a MIDI-compatible DJ software program is installed, the DJ software can be operated from this unit.

Install the DJ software on your computer in advance. Also, adjust the audio and MIDI settings for the DJ software.

- For MIDI channel setting instructions, see *Changing the settings* on page 24.
- For the messages output by this unit, see *MIDI assignment map* on page 22.

### 1 Connect this unit's [USB] terminal to the computer.

For details about connections, see *Connecting to the control panel* on page 12.

### 2 Launch the DJ software.

### 3 Press the [ON/OFF (UTILITY)] button.

Turn the MIDI function on.

Transmission of the MIDI messages begin.

- When a fader or control is moved, a message corresponding to the position is sent.
- When the **[START/STOP]** button is pressed and held in for more than 2 seconds, a set of MIDI messages corresponding to the button, fader or control positions is sent (Snapshot).
- When the **[ON/OFF (UTILITY)]** button is pressed again, sending of the MIDI messages is stopped.
- The MIDI timing clock (BPM information) is sent regardless of the status of the **[ON/OFF (UTILITY)]** button.

## ❖ Making the preparations to use the MIDI LFO function

The MIDI-compatible software, devices, etc. (referred to as the "MIDI signal reception side" below) must be prepared ("learned") before using the MIDI LFO function. Perform the learning operations on the MIDI signal reception side.

- For the messages output by this unit, see *MIDI assignment map* on page 22.

### 1 Press the [ON/OFF (UTILITY)] button.

Turn the MIDI function on.

### 2 Turn the beat effect selector switch.

Select **[SND/RTN (MIDI LFO)]**.

**[S/R ↔ LFO]** flashes on the effect display section, then **[SND/RTN]** is displayed.

### 3 Press the [ON/OFF] button for [BEAT EFFECTS].

Learn the **[ON/OFF]** button's MIDI message of the **[BEAT EFFECTS]** in the MIDI signal reception side.

- The MIDI message sent from the **[ON/OFF]** button of the **[BEAT EFFECTS]** differs when **[SND/RTN (MIDI LFO)]** is selected and when anything other than **[SND/RTN (MIDI LFO)]** is selected.

The **[ON/OFF]** button's MIDI message of **[BEAT EFFECTS]** when **[SND/RTN (MIDI LFO)]** is selected is only sent when the operation is performed following this procedure.

### 4 Press the [LFO FORM (WAKE UP)] button.

Learn the **[LFO FORM (WAKE UP)]** button's MIDI message in the MIDI signal reception side.

**[1/7 ▲▲▲]** and **[1/7 LFO]** are displayed alternately on the effect display section.

- If necessary, set the MIDI mapping for other buttons and controls. Because the **[LFO FORM (WAKE UP)]** button's MIDI message is sent sequentially, depending on the MIDI signal reception side's settings, it may not be possible to learn the MIDI message.

To set the MIDI mapping for other buttons and controls, press the **[LFO FORM (WAKE UP)]** button to switch to **[SND/RTN]**.

## ❖ Using the MIDI LFO

Make the preparations following the procedure at *Making the preparations to use the MIDI LFO function* beforehand.

### 1 Turn the beat effect selector switch.

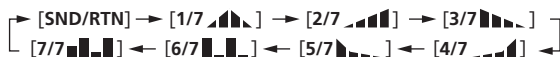
Select **[SND/RTN (MIDI LFO)]**.

**[S/R ↔ LFO]** flashes on the effect display section, then **[SND/RTN]** is displayed.

### 2 Press the [LFO FORM (WAKE UP)] button.

Transmission of the MIDI signals begins.

The MIDI signal waveform pattern switches each time the **[LFO FORM (WAKE UP)]** button is pressed.



### 3 Press the [BEAT ◀, ▶] button.

Set the MIDI signal's waveform output time.

### 4 Press the [ON/OFF] button of [BEAT EFFECTS] or touch the [X-PAD].

The MIDI message for turning the effect on is sent.

- When the [LFO FORM (WAKE UP)] button is pressed and a setting from [1/7] – [7/7] is selected, the MIDI message for the buttons and controls below can be sent even when the MIDI mode is turned off.
  - [X-PAD] (Touch ↔ Release)
  - [CUE] button of [BEAT EFFECTS]
  - Effect channel selector switch
  - [LEVEL/DEPTH] control
  - [ON/OFF] button of [BEAT EFFECTS]
- When the [LFO FORM (WAKE UP)] button is pressed to switch between [SND/RTN] and [MIDI LFO], BEAT EFFECT automatically turns off.
- It is not possible to switch between [SND/RTN] and [MIDI LFO] while touching the [X-PAD].

## ❖ Sending the MIDI start and MIDI stop messages

### Press the [START/STOP] button for [MIDI].

- The MIDI start and MIDI stop messages are sent alternatively each time the [START/STOP] button is pressed, regardless of whether the MIDI function is on or off.

## Operating an external MIDI sequencer

This unit outputs the operation information of buttons and controls in universal MIDI format.

This unit sends the tempo of the currently playing source (BPM information) as the MIDI timing clock. This can be used to synchronize an external MIDI sequencer with the tempo of the source.

- For the messages output by this unit, see *MIDI assignment map* on page 22.
- External MIDI sequencers not supporting MIDI timing clocks cannot be synchronized.
- External MIDI sequencers cannot be synchronized for sources for which the BPM cannot be measured stably.
- The MIDI timing clock is output even with BPM values input manually by tapping the [TAP] button with a finger. The MIDI timing clock output range is 40 BPM to 250 BPM.

### 1 Connect the [MIDI OUT] terminal to the external MIDI sequencer's MIDI IN terminal using a commercially available MIDI cable.

### 2 Set the external MIDI sequencer's sync mode to Slave.

### 3 Press the [START/STOP] button for [MIDI].

The MIDI start message is sent.

### 4 Press [ON/OFF] in the [MIDI] section.

Transmission of the MIDI messages begin.

# Types of effects

## Types of SOUND COLOR FX effects

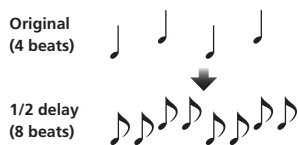
Effect Name	Descriptions	[COLOR] control
SPACE	Applies a reverberation effect to the original sound.	Turn counterclockwise: Applies the reverberation effect to the mid- and low ranges. Turn clockwise: Applies the reverberation effect to the mid- and high ranges.
DUB ECHO	Applies an echo effect, with the sound delayed slightly after the original sound output several times and gradually attenuated.	Turn counterclockwise: Applies the echo effect to the mid-range only. Turn clockwise: Applies the echo effect to the high range only.
GATE/COMP	Changes the texture of the overall sound.	Turn counterclockwise: A gate effect makes the sound tighter, with a reduced sense of volume. Turn clockwise: A compressor effect makes the sound fatter, with an increased sense of volume.
NOISE	White noise generated inside this unit is mixed in to the sound of the channel via the filter and output. • The volume can be adjusted by turning the [TRIM] controls for the respective channels. The sound quality can be adjusted by turning the [EQ/ISO (HI, MID, LOW)] controls.	Turn counterclockwise: The cut-off frequency of the filter through which the white noise passes gradually decreases. Turn clockwise: The cut-off frequency of the filter through which the white noise passes gradually increases.
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 before passing through the high pass filter.
FILTER	Outputs sound that has passed through a filter.	Turn counterclockwise: Gradually decreases the low-pass filter's cutoff frequency. Turn clockwise: Gradually increases the high-pass filter's cutoff frequency.

## Types of BEAT EFFECT

### DELAY<sup>[1]</sup>

A delay sound is output once according to the beat fraction set with the [BEAT ◀, ▶] buttons.

When 1/2 beat delay sound is added, 4 beats become 8 beats.

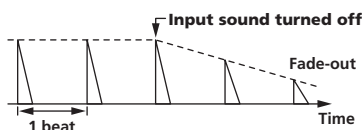


BEAT ◀, ▶ buttons (parameter 1)	Use these to set a time delay of $1/8 - 16/1$ with respect to the time of one beat of the BPM.
TIME control (parameter 2)	Use this to set the delay time. <b>1 to 4000 (ms)</b>
LEVEL/DEPTH control (parameter 3)	Use this to set the balance between the original sound and the delay sound.
X-PAD (parameter 4)	Use this to set the delay time.

### ECHO<sup>[1] [2]</sup>

A delay sound is output several times and gradually attenuated according to the beat fraction set with the [BEAT ◀, ▶] buttons.

With 1/1 beat echoes, the delay sounds are faded out according to the track's tempo even after the input sound has been cut.



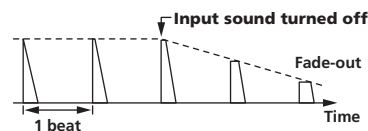
BEAT ◀, ▶ buttons (parameter 1)	Use these to set a time delay of $1/8 - 16/1$ with respect to the time of one beat of the BPM.
TIME control (parameter 2)	Use this to set the delay time. <b>1 to 4000 (ms)</b>

LEVEL/DEPTH control (parameter 3)	Use this to set the balance between the original sound and the echo sound.
X-PAD (parameter 4)	Use this to set the delay time.

### SPIRAL<sup>[1] [2]</sup>

This function adds a reverberation effect to the input sound.

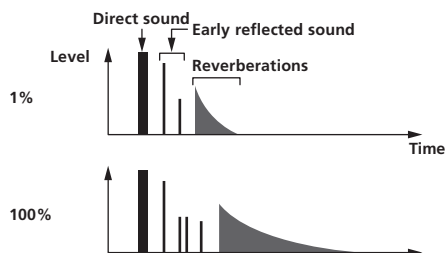
When the delay time is changed, the pitch changes simultaneously.



BEAT ◀, ▶ buttons (parameter 1)	Use these to set a time delay of $1/8 - 16/1$ with respect to the time of one beat of the BPM.
TIME control (parameter 2)	Use this to set the delay time. <b>10 to 4000 (ms)</b>
LEVEL/DEPTH control (parameter 3)	Use this to set the balance between the original sound and the effect sound and to set the quantitative parameter.
X-PAD (parameter 4)	Use this to set the delay time.

### REVERB<sup>[1] [2]</sup>

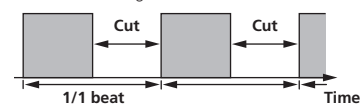
This function adds a reverberation effect to the input sound.



BEAT ◀, ▶ buttons (parameter 1)	Use these to set the extent of the reverberation effect, from <b>1 - 100 %</b> .
TIME control (parameter 2)	Use this to set the degree of the reverb effect. <b>1 - 100 (%)</b>
LEVEL/DEPTH control (parameter 3)	Sets the balance between the original sound and the effect sound.
X-PAD (parameter 4)	Sets the filter's cut-off frequency.

### TRANS<sup>[1]</sup>

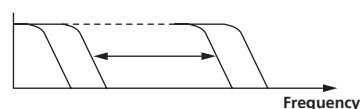
The sound is cut according to the beat fraction set with the [BEAT ◀, ▶] buttons.



BEAT ◀, ▶ buttons (parameter 1)	Use these to set a cut time of $1/16 - 16/1$ with respect to the time of one beat of the BPM.
TIME control (parameter 2)	Use this to set the effect time. <b>10 to 16000 (ms)</b>
LEVEL/DEPTH control (parameter 3)	Sets the balance between the original sound and the effect sound.
X-PAD (parameter 4)	This sets the cut time.

### FILTER<sup>[1]</sup>

The filter's cutoff frequency changes according to the beat fraction set with the [BEAT ◀, ▶] buttons.



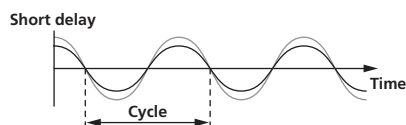
BEAT ◀, ▶ buttons (parameter 1)	Use these to set the cycle for moving the cut-off frequency as a time of $1/4 - 64/1$ with respect to the time of one beat of the BPM.
TIME control (parameter 2)	Use this to set the cycle at which the cut-off frequency is moved. <b>10 to 32000 (ms)</b>
LEVEL/DEPTH control (parameter 3)	The further the control is turned clockwise, the more the effect is stressed.



<b>X-PAD</b> (parameter 4)	The cycle at which the cut-off frequency is moved fluctuates finely.
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## FLANGER<sup>[1]</sup>

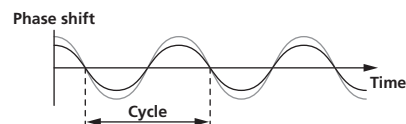
A 1-cycle flanger effect is produced according to the beat fraction set with the [BEAT ◀, ▶] buttons.



<b>BEAT</b> ◀, ▶ buttons (parameter 1)	Use these to set the <b>1/4 – 64/1</b> effect time with respect to the time of one beat of the BPM.
<b>TIME</b> control (parameter 2)	Use this to set the cycle by which the flanger effect moves. <b>10 to 32000</b> (ms)
<b>LEVEL/DEPTH</b> control (parameter 3)	The further the control is turned clockwise, the more the effect is stressed. When turned all the way counterclockwise, only the original sound is output.
<b>X-PAD</b> (parameter 4)	The cycle at which the flanger effect is moved fluctuates finely.

## PHASER<sup>[1]</sup>

The phaser effect changes according to the beat fraction set with the [BEAT ◀, ▶] buttons.



<b>BEAT</b> ◀, ▶ buttons (parameter 1)	Use these to set the cycle for moving the phaser effect as of time of <b>1/4 – 64/1</b> with respect to the time of one beat of the BPM.
<b>TIME</b> control (parameter 2)	This sets the cycle by which the phaser effect is moved. <b>10 to 32000</b> (ms)
<b>LEVEL/DEPTH</b> control (parameter 3)	The further the control is turned clockwise, the more the effect is stressed. When turned all the way counterclockwise, only the original sound is output.
<b>X-PAD</b> (parameter 4)	The cycle at which the phaser effect is moved fluctuates finely.

## ROBOT<sup>[1]</sup>

The original sound is changed to a sound like one produced by a robot.

<b>BEAT</b> ◀, ▶ buttons (parameter 1)	Use this to set the degree of the effect sound. <b>-100–100</b> (%)
<b>TIME</b> control (parameter 2)	Use this to set the degree of the effect sound. <b>-100–100</b> (%)
<b>LEVEL/DEPTH</b> control (parameter 3)	Sets the balance between the original sound and the effect sound.
<b>X-PAD</b> (parameter 4)	This changes the degree of the effect sound.

## MELODIC<sup>[1] [2]</sup>

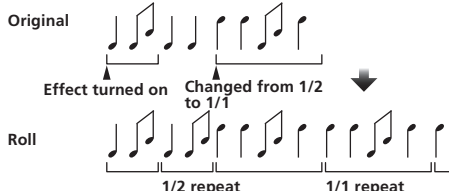
The mid-range of the sound being input at the point when the [ON/OFF] button is pressed is recorded, and the recorded sound is output according to the level of the sound being input.

<b>BEAT</b> ◀, ▶ buttons (parameter 1)	This sets the way in which the recorded sound is played.
<b>TIME</b> control (parameter 2)	This sets the way in which the recorded sound is played.
<b>LEVEL/DEPTH</b> control (parameter 3)	This sets the balance between the original sound and the recorded sound.
<b>X-PAD</b> (parameter 4)	This sets the way in which the recorded sound is played.

## SLIP ROLL<sup>[1] [2]</sup>

The sound being input at the point when the [ON/OFF] is pressed is recorded, and the recorded sound is output repeatedly according to the beat fraction set with the [BEAT ◀, ▶] buttons.

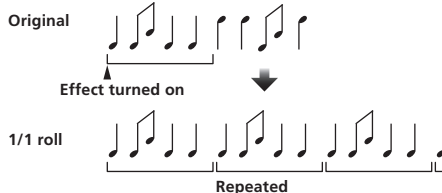
When the effect time changes, the input sound is recorded again.



<b>BEAT</b> ◀, ▶ buttons (parameter 1)	Use these to set an effect time of <b>1/16 – 16/1</b> with respect to the time of one beat of the BPM.
<b>TIME</b> control (parameter 2)	Use this to set the effect time. <b>10 to 4000</b> (ms)
<b>LEVEL/DEPTH</b> control (parameter 3)	Use this to set the balance between the original sound and <b>ROLL</b> .
<b>X-PAD</b> (parameter 4)	Use this to set the effect time.

## ROLL<sup>[1] [2]</sup>

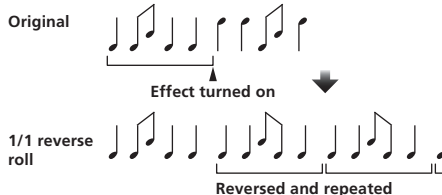
The sound being input at the point when the [ON/OFF] is pressed is recorded, and the recorded sound is output repeatedly according to the beat fraction set with the [BEAT ◀, ▶] buttons.



<b>BEAT</b> ◀, ▶ buttons (parameter 1)	Use these to set an effect time of <b>1/16 – 16/1</b> with respect to the time of one beat of the BPM.
<b>TIME</b> control (parameter 2)	Use this to set the effect time. <b>10 to 4000</b> (ms)
<b>LEVEL/DEPTH</b> control (parameter 3)	Use this to set the balance between the original sound and <b>ROLL</b> .
<b>X-PAD</b> (parameter 4)	Use this to set the effect time.

## REV ROLL<sup>[1] [2]</sup>

The sound being input at the point when the [ON/OFF] button is pressed is recorded, and the recorded sound is reversed then output repeatedly according to the beat fraction set with the [BEAT ◀, ▶] buttons.



<b>BEAT</b> ◀, ▶ buttons (parameter 1)	Use these to set an effect time of <b>1/16 – 16/1</b> with respect to the time of one beat of the BPM.
<b>TIME</b> control (parameter 2)	Use this to set the effect time. <b>10 to 4000</b> (ms)
<b>LEVEL/DEPTH</b> control (parameter 3)	Use this to set the balance between the original sound and <b>ROLL</b> .
<b>X-PAD</b> (parameter 4)	Use this to set the effect time.

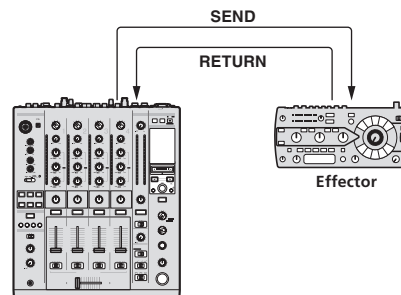
## SND/RTN (MIDI LFO)

Connect an external effector, etc., here.

By pressing the [LFO FORM (WAKE UP)] button, MIDI-compatible software and devices can be controlled using MIDI signals.

### ❖ SND/RTN<sup>[1]</sup>

Connect an external effector, etc., here.



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<b>BEAT</b> ◀, ▶ buttons (parameter 1)	—
<b>TIME</b> control (parameter 2)	—
<b>LEVEL/DEPTH</b> control (parameter 3)	This adjusts the sound level input to the [RETURN] terminal.
<b>X-PAD</b> (parameter 4)	—

### ❖ MIDI LFO

The MIDI signal (0 – 127) waveform is changed according to the track's tempo.



The MIDI signal waveform pattern switches each time the **[LFO FORM (WAKE UP)]** button is pressed.

<b>BEAT</b> ◀, ▶ buttons (parameter 1)	Use these to set a waveform output time of <b>1/4 – 64/1</b> with respect to one beat of the BPM.
<b>TIME</b> control (parameter 2)	Use this to set the waveform output time.
<b>LEVEL/DEPTH</b> control (parameter 3)	—
<b>X-PAD</b> (parameter 4)	This changes the MIDI signal's waveform pattern.

- When **[MIDI LFO]** is selected, the sound of the external effector connected to the **[RETURN]** terminal is not input.
- 1 When **[CF.A]**, **[CF.B]** or **[MASTER]** is selected with the effect channel selector switch, if the sound of the channel you want to monitor is not being output to the **[MASTER]** channel, the effect sound cannot be monitored even if the **[CUE]** button for **[BEAT EFFECTS]** is pressed.
  - 2 If the effect is off, the effect sound cannot be monitored even by pressing the **[CUE]** button for **[BEAT EFFECTS]**.

# MIDI assignment map

## MIDI assignment map

- “CC” is the abbreviation of “control change”. A control change is a type of MIDI signal used to transmit various types of control information, such as timbre, volume, etc. On this unit, values from 0 to 127 are output as CC mainly when controls and faders are operated. CC are also output when certain buttons are operated.
- “Note” is a MIDI term used when pressing or releasing notes on a piano or other keyboard.

Category	Button/Control/Switch			MIDI assignment	Trigger/Toggle	Transmitted data
	Name		Type			
CH1	Input Selector Switch	DIGITAL	Switch	Note 050		OFF=0, ON=127
		CD/LINE	Switch	Note 051		OFF=0, ON=127
		PHONO	Switch	Note 052		OFF=0, ON=127
		USB DECK 3	Switch	Note 053		OFF=0, ON=127
	TRIM		Control	CC 001	—	0-127
	HI		Control	CC 002	—	0-127
	MID		Control	CC 003	—	0-127
	LOW		Control	CC 004	—	0-127
	COLOR		Control	CC 005	—	0-127
	CUE		Button	CC 070	Trigger/Toggle	OFF=0, ON=127
CH2	Input Selector Switch	DIGITAL	Switch	Note 054		OFF=0, ON=127
		CD/LINE	Switch	Note 055		OFF=0, ON=127
		PHONO	Switch	Note 056		OFF=0, ON=127
		USB DECK 1	Switch	Note 057		OFF=0, ON=127
	TRIM		Control	CC 006	—	0-127
	HI		Control	CC 007	—	0-127
	MID		Control	CC 008	—	0-127
	LOW		Control	CC 009	—	0-127
	COLOR		Control	CC 010	—	0-127
	CUE		Button	CC 071	Trigger/Toggle	OFF=0, ON=127
CH3	Input Selector Switch	DIGITAL	Switch	Note 058		OFF=0, ON=127
		CD/LINE	Switch	Note 059		OFF=0, ON=127
		PHONO	Switch	Note 060		OFF=0, ON=127
		USB DECK 2	Switch	Note 061		OFF=0, ON=127
	TRIM		Control	CC 012	—	0-127
	HI		Control	CC 014	—	0-127
	MID		Control	CC 015	—	0-127
	LOW		Control	CC 021	—	0-127
	COLOR		Control	CC 022	—	0-127
	CUE		Button	CC 072	Trigger/Toggle	OFF=0, ON=127
CH4	Input Selector Switch	DIGITAL	Switch	Note 062		OFF=0, ON=127
		CD/LINE	Switch	Note 063		OFF=0, ON=127
		PHONO	Switch	Note 064		OFF=0, ON=127
		USB DECK 4	Switch	Note 065		OFF=0, ON=127
	TRIM		Control	CC 080	—	0-127
	HI		Control	CC 081	—	0-127
	MID		Control	CC 092	—	0-127
	LOW		Control	CC 082	—	0-127
	COLOR		Control	CC 083	—	0-127
	CUE		Button	CC 073	Trigger/Toggle	OFF=0, ON=127
Crossfader	Input Selector Switch	DIGITAL	Switch	Note 062		OFF=0, ON=127
		CD/LINE	Switch	Note 063		OFF=0, ON=127
		PHONO	Switch	Note 064		OFF=0, ON=127
		USB DECK 4	Switch	Note 065		OFF=0, ON=127
	TRIM		Control	CC 080	—	0-127
	HI		Control	CC 081	—	0-127
	MID		Control	CC 092	—	0-127
	LOW		Control	CC 082	—	0-127
	COLOR		Control	CC 083	—	0-127
	CUE		Button	CC 073	Trigger/Toggle	OFF=0, ON=127
Fader curve	Input Selector Switch	DIGITAL	Switch	Note 062		OFF=0, ON=127
		CD/LINE	Switch	Note 063		OFF=0, ON=127
		PHONO	Switch	Note 064		OFF=0, ON=127
		USB DECK 4	Switch	Note 065		OFF=0, ON=127
	TRIM		Control	CC 080	—	0-127
	HI		Control	CC 081	—	0-127
	MID		Control	CC 092	—	0-127
	LOW		Control	CC 082	—	0-127
	COLOR		Control	CC 083	—	0-127
	CUE		Button	CC 073	Trigger/Toggle	OFF=0, ON=127
Master	Input Selector Switch	DIGITAL	Switch	Note 062		OFF=0, ON=127
		CD/LINE	Switch	Note 063		OFF=0, ON=127
		PHONO	Switch	Note 064		OFF=0, ON=127
		USB DECK 4	Switch	Note 065		OFF=0, ON=127
	TRIM		Control	CC 080	—	0-127
	HI		Control	CC 081	—	0-127
	MID		Control	CC 092	—	0-127
	LOW		Control	CC 082	—	0-127
	COLOR		Control	CC 083	—	0-127
	CUE		Button	CC 073	Trigger/Toggle	OFF=0, ON=127
BOOTH MONITOR	Input Selector Switch	DIGITAL	Switch	Note 062		OFF=0, ON=127
		CD/LINE	Switch	Note 063		OFF=0, ON=127
		PHONO	Switch	Note 064		OFF=0, ON=127
		USB DECK 4	Switch	Note 065		OFF=0, ON=127
	TRIM		Control	CC 080	—	0-127
	HI		Control	CC 081	—	0-127
	MID		Control	CC 092	—	0-127
	LOW		Control	CC 082	—	0-127
	COLOR		Control	CC 083	—	0-127
	CUE		Button	CC 073	Trigger/Toggle	OFF=0, ON=127
LINK	Input Selector Switch	DIGITAL	Switch	Note 062		OFF=0, ON=127
		CD/LINE	Switch	Note 063		OFF=0, ON=127
		PHONO	Switch	Note 064		OFF=0, ON=127
		USB DECK 4	Switch	Note 065		OFF=0, ON=127
	TRIM		Control	CC 080	—	0-127
	HI		Control	CC 081	—	0-127
	MID		Control	CC 092	—	0-127
	LOW		Control	CC 082	—	0-127
	COLOR		Control	CC 083	—	0-127
	CUE		Button	CC 073	Trigger/Toggle	OFF=0, ON=127
BEAT EFFECTS	Input Selector Switch	DIGITAL	Switch	Note 062		OFF=0, ON=127
		CD/LINE	Switch	Note 063		OFF=0, ON=127
		PHONO	Switch	Note 064		OFF=0, ON=127
		USB DECK 4	Switch	Note 065		OFF=0, ON=127
	TRIM		Control	CC 080	—	0-127
	HI		Control	CC 081	—	0-127
	MID		Control	CC 092	—	0-127
	LOW		Control	CC 082	—	0-127
	COLOR		Control	CC 083	—	0-127
	CUE		Button	CC 073	Trigger/Toggle	OFF=0, ON=127

Category	Button/Control/Switch		MIDI assignment	Trigger/Toggle	Transmitted data
	Name	Type			
BEAT EFFECTS	CH SELECT	CH1	Switch	CC 034	[2] OFF=0, ON=127
		CH2	Switch	CC 035	[2] OFF=0, ON=127
		CH3	Switch	CC 036	[2] OFF=0, ON=127
		CH4	Switch	CC 037	[2] OFF=0, ON=127
		MIC	Switch	CC 038	[2] OFF=0, ON=127
		CF.A	Switch	CC 039	[2] OFF=0, ON=127
		CF.B	Switch	CC 040	[2] OFF=0, ON=127
		MASTER	Switch	CC 041	[2] OFF=0, ON=127
	MIDI LFO	Control	CC 118	—	0-127
	QUANTIZE	Button	Note 118	Trigger/Toggle	—
BEAT EFFECTS	TIME	Switch	CC 013	—	—
		Switch	CC 045	—	TIME value (When <b>FLANGER</b> , <b>PHASER</b> or <b>FILTER</b> is selected, the value is halved. When a negative value is selected, it is set to a positive value.)
	LEVEL/DEPTH	Control	CC 091	—	0-127
	X-PAD	Control	CC 116	—	Sends the [X-PAD] position information.
	ON/OFF X-PAD (touch) • When an effect other than [SND/RTN (MIDI LFO)] is selected at BEAT EFFECT	Button	CC 114	[2]	OFF=0, ON=127
	ON/OFF X-PAD (touch) • When [SND/RTN (MIDI LFO)] is selected at BEAT EFFECT	Button	CC 064	[2]	OFF=0, ON=127
MIC	HI	Control	CC 030	—	0-127
	LOW	Control	CC 031	—	0-127
SOUND COLOR FX	NOISE	Button	CC 085	Trigger/Toggle <sup>[1]</sup>	OFF=0, ON=127
	SPACE	Button	CC 105	Trigger/Toggle <sup>[1]</sup>	OFF=0, ON=127
	GATE/COMP	Button	CC 106	Trigger/Toggle <sup>[1]</sup>	OFF=0, ON=127
	DUB ECHO	Button	CC 107	Trigger/Toggle <sup>[1]</sup>	OFF=0, ON=127
	CRUSH	Button	CC 086	Trigger/Toggle <sup>[1]</sup>	OFF=0, ON=127
	FILTER	Button	CC 087	Trigger/Toggle <sup>[1]</sup>	OFF=0, ON=127
Fader Start	Fader Start 1	Button	CC 088	Trigger/Toggle	OFF=0, ON=127
	Fader Start 2	Button	CC 089	Trigger/Toggle	OFF=0, ON=127
	Fader Start 3	Button	CC 090	Trigger/Toggle	OFF=0, ON=127
	Fader Start 4	Button	CC 093	Trigger/Toggle	OFF=0, ON=127
HEADPHONES	MIXING	Control	CC 027	—	0-127
	LEVEL	Control	CC 026	—	0-127
	Timing Clock	—	Timing Clock	—	—
Fader Start operation <sup>[3]</sup>	Channel fader 1 or crossfader		Note 102	—	BACK CUE = 0, PLAY = 127
	Channel fader 2 or crossfader		Note 103	—	BACK CUE = 0, PLAY = 127
	Channel fader 3 or crossfader		Note 104	—	BACK CUE = 0, PLAY = 127
	Channel fader 4 or crossfader		Note 105	—	BACK CUE = 0, PLAY = 127
MIDI	START	Button	START	—	—
	STOP	Button	STOP	—	—

<sup>[1]</sup> When turning one button on switches another button from on to off, MIDI on and off messages are sent from the two buttons.

When there is no button that switches off, only the MIDI on message is sent from the button that was pressed.

<sup>[2]</sup> When switched from one position to another position, the MIDI ON and OFF signals are sent respectively from both positions.

— When the [START/STOP] button is pressed for over 1 second, MIDI messages corresponding to the positions of the buttons, faders and controls are sent in a bundle (Snapshot).

The MIDI Snapshot sends all MIDI messages other than MIDI start and MIDI stop.

<sup>[3]</sup> Operation differs depending on the setting of the [CROSS FADER ASSIGN (A, THRU, B)] selector switch.

— When the [CROSS FADER ASSIGN (A, THRU, B)] selector switch is set to [THRU]: MIDI messages are sent when the [FADER START] button is set to [ON] and the channel fader is moved away from you from the nearest position towards you and when it is moved back to the nearest position towards you.

— When the [CROSS FADER ASSIGN (A, THRU, B)] selector switch is set to [A]: MIDI messages are sent when the [FADER START] button is set to [ON] and the crossfader is moved from the far edge of the [B] side and when it is moved back to the far edge of the [B] side.

— When the [CROSS FADER ASSIGN (A, THRU, B)] selector switch is set to [B]: MIDI messages are sent when the [FADER START] button is set to [ON] and the crossfader is moved from the far edge of the [A] side and when it is moved back to the far edge of the [A] side.

# Changing the settings

## 1 Press the [ON/OFF (UTILITY)] button for over 1 second.

The [USER SETUP] mode setting screen is displayed.

- To display the [CLUB SETUP] mode setting screen, first turn this unit's power off, then press the [POWER] button while pressing the [ON/OFF (UTILITY)] button.

## 2 Press the [BEAT ◀, ▶] button.

Select the setting item.

## 3 Press the [TAP] button.

The screen switches to the setting item's setting value change screen.

## 4 Press the [BEAT ◀, ▶] button.

Change the setting value.

## 5 Press the [TAP] button.

Enter the setting value.

The previous screen reappears.

- To return to the previous screen without changing the settings, press the [QUANTIZE] button.

## 6 Press the [ON/OFF (UTILITY)] button.

Close the [USER SETUP] mode setting screen.

- To close the [CLUB SETUP] mode setting screen, press the [POWER] button to turn this unit's power off.

## About the auto standby function

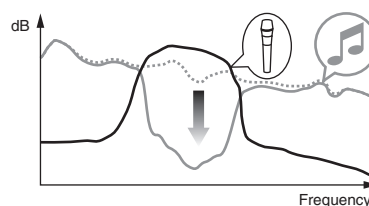
When [Auto Standby] is set to [ON], the standby mode is set automatically if 4 hours pass with all of the conditions shown below met.

- That none of this unit's buttons or controls are operated.
- That no audio signals of **-10 dB** or greater are input to this unit's input terminals.
- That no PRO DJ LINK connections are made.
- When the [LFO FORM (WAKE UP)] button is pressed, the standby mode is canceled.
- This unit is shipped with the auto standby function turned on. If you do not want to use the auto standby function, set [Auto Standby] to [OFF].

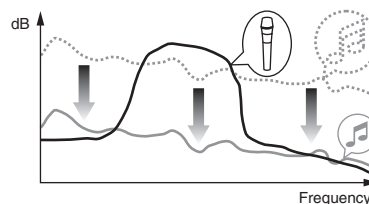
## About the talk over function

The talk over function has the two modes described below.

- [ADV] (advanced talk over): The mid-range only of the sound of channels other than the [MIC] channel is attenuated according to the [Talk Over LEVEL] setting value and output.



- [NOR] (normal talk over): The sound of channels other than the [MIC] channel is attenuated according to the [Talk Over LEVEL] setting value and output.



## Setting preferences

\*: Setting upon purchase

Mode	Options settings	Screen display	Setting value	Descriptions
USER SETUP	Fader Start	F.S.	ON, OFF*	Turns the Fader Start function on and off all at once.
	MIDI CH	MIDI CH	1* to 16	Sets the MIDI channel.
	MIDI Button Type	MIDI BT	TGL*, TRG	Selects the MIDI signal transmission mode, [TGL (TOGGLE)] or [TRG (TRIGGER)].
	Talk Over Mode	TLK MOD	ADV*, NOR	Selects the talk over function's mode, [ADV (ADVANCED)] or [NOR (NORMAL)].
CLUB SETUP	Talk Over LEVEL	TLK LVL	-6 dB, -12 dB, -18 dB*, -24 dB	Sets the talk over function's sound attenuation level.
	Digital Master Out Level	DOUT LV	-19 dB*, -15 dB, -10 dB, -5 dB	Sets the maximum level of the sound output from the [DIGITAL MASTER OUT] terminals. <sup>[1]</sup>
	Digital Master Out Sampling Rate	DOUT FS	48 kHz, 96 kHz*	Sets the digital signal's sampling rate.
	MASTER ATT.	MST ATT	-6 dB, -3 dB, 0 dB*	Sets the attenuation level of the sound output from the [MASTER1] and [MASTER2] terminals.
	Auto Standby	AUTOSTB	ON*, OFF	Turns the auto standby function on and off.
	Mic Output To Booth Monitor	MIC BTH	ON*, OFF	Sets whether or not to output the microphone's audio signals from [BOOTH] terminals.
	PC UTILITY	PC UTLY	ON, OFF*	Sets whether or not to launch the computer's setting utility software automatically when a USB cable is connected.
	Peak Limiter	PKLIMIT	ON*, OFF	Lessens sudden, unpleasant digital clipping of the master output.
	Factory Reset	INITIAL	YES, NO*	Restores all the settings to their factory defaults.

[1] Note that the output sound may be distorted even if the master level indicator does not light up to the very top.

## About the setting utility software

The setting utility can be used to make the checks and settings described below.

- Checking the status of this unit's input selector switches
- Setting the audio data output from this unit to the computer
- Adjusting the buffer size (when using Windows ASIO)
- Checking the version of the driver software

## Displaying the setting utility

### For Windows

Click [Start] menu > [All Programs] > [Pioneer] > [DJM-900SRT] > [DJM-900SRT Settings Utility].

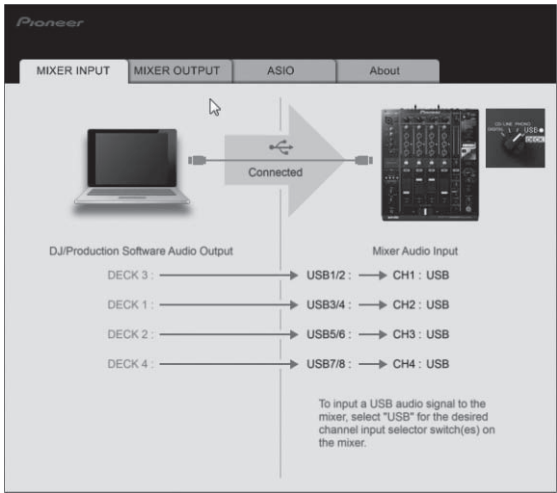
### For Mac OS X

Click [Macintosh HD] icon > [Application] > [Pioneer] > [DJM-900SRT] > [DJM-900SRT Settings Utility].

## Checking the status of this unit's input selector switches

Display the setting utility before starting.

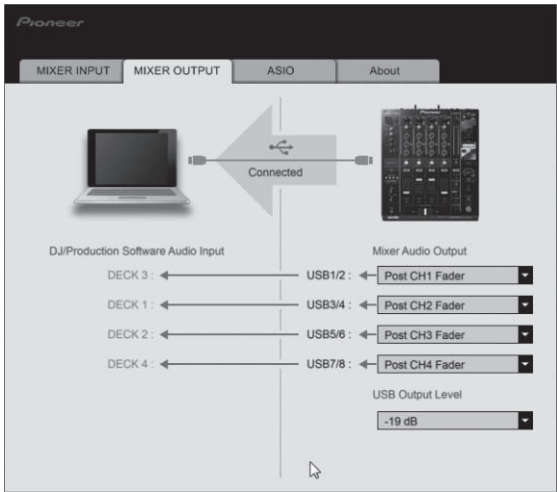
Click the [MIXER INPUT] tab.



## Setting the audio data output from this unit to the computer

When Serato DJ is running and using this unit as the default audio device, set the audio data output in Serato DJ. Display the setting utility before starting.

1 Click the [MIXER OUTPUT] tab.



2 Click the [Mixer Audio Output] pull-down menu.

Select and set the audio data to be output to the computer from the flow of audio signals inside this unit.

CH1	CH2	CH3	CH4
CH1 Control Tone PHONO <sup>[1]</sup>	CH2 Control Tone PHONO <sup>[1]</sup>	CH3 Control Tone PHONO <sup>[1]</sup>	CH4 Control Tone PHONO <sup>[1]</sup>
CH1 Control Tone CD/LINE <sup>[1]</sup>	CH2 Control Tone CD/LINE <sup>[1]</sup>	CH3 Control Tone CD/LINE <sup>[1]</sup>	CH4 Control Tone CD/LINE <sup>[1]</sup>
CH1 Control Tone DIGITAL <sup>[1]</sup>	CH2 Control Tone DIGITAL <sup>[1]</sup>	CH3 Control Tone DIGITAL <sup>[1]</sup>	CH4 Control Tone DIGITAL <sup>[1]</sup>
Post CH1 Fader <sup>[2]</sup>	Post CH2 Fader <sup>[2]</sup>	Post CH3 Fader <sup>[2]</sup>	Post CH4 Fader <sup>[2]</sup>
Cross Fader A <sup>[2]</sup>	Cross Fader A <sup>[2]</sup>	Cross Fader A <sup>[2]</sup>	Cross Fader A <sup>[2]</sup>
Cross Fader B <sup>[2]</sup>	Cross Fader B <sup>[2]</sup>	Cross Fader B <sup>[2]</sup>	Cross Fader B <sup>[2]</sup>
MIC	MIC	MIC	MIC
MIX (REC OUT) <sup>[2]</sup>	MIX (REC OUT) <sup>[2]</sup>	MIX (REC OUT) <sup>[2]</sup>	MIX (REC OUT) <sup>[2]</sup>

<sup>[1]</sup> The audio data is output with the same volume at which it is input to this unit, regardless of the [USB Output Level] setting.

<sup>[2]</sup> When using for applications other than recording, pay attention to the DJ application's settings so that no audio loops are generated. If audio loops are generated, sound may be input or output at unintended volumes.

3 Click the [USB Output Level] pull-down menu.

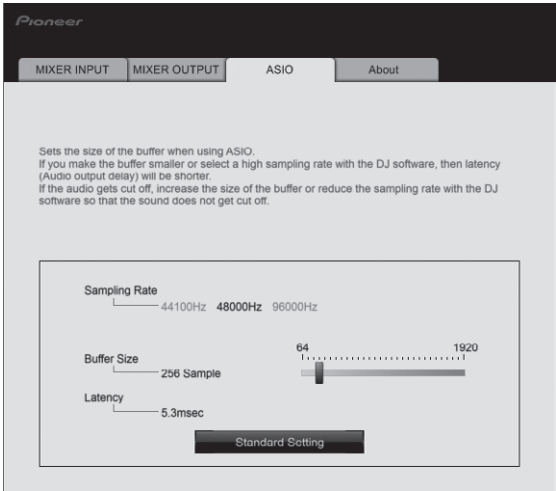
Adjust the volume of the audio data output from this unit.

- The [USB Output Level] setting is applied equally to all audio data. However, when <sup>[1]</sup> on the table at step 2 is selected, the audio data is output with the same volume at which it is input to this unit.
- If not enough volume can be achieved with the DJ software's volume adjustment alone, change the [USB Output Level] setting to adjust the volume of the audio data output from this unit. Note that the sound will be distorted if the volume is raised too high.

## Adjusting the buffer size (when using Windows ASIO)

If an application using this unit as the default audio device (DJ software, etc.) is running, quit that application before adjusting the buffer size. Display the setting utility before starting.

Click the [ASIO] tab.

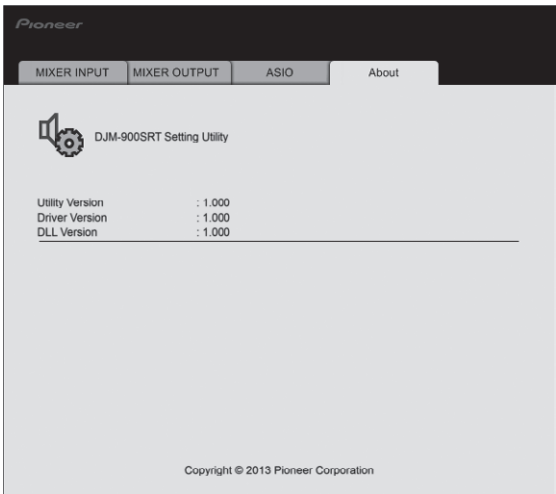


- If the buffer size is made large, drops in audio data (breaks in the sound) occur less easily, but the time lag due to the delay in the transfer of the audio data (latency) increases.

## Checking the version of the driver software

Display the setting utility before starting.

Click the [About] tab.



## Checking the latest information on the driver software

For the latest information on the driver software for exclusive use with this unit, visit our website shown below.

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

- Operation cannot be guaranteed when multiple units of this mixer are connected to a single computer.

# Additional information

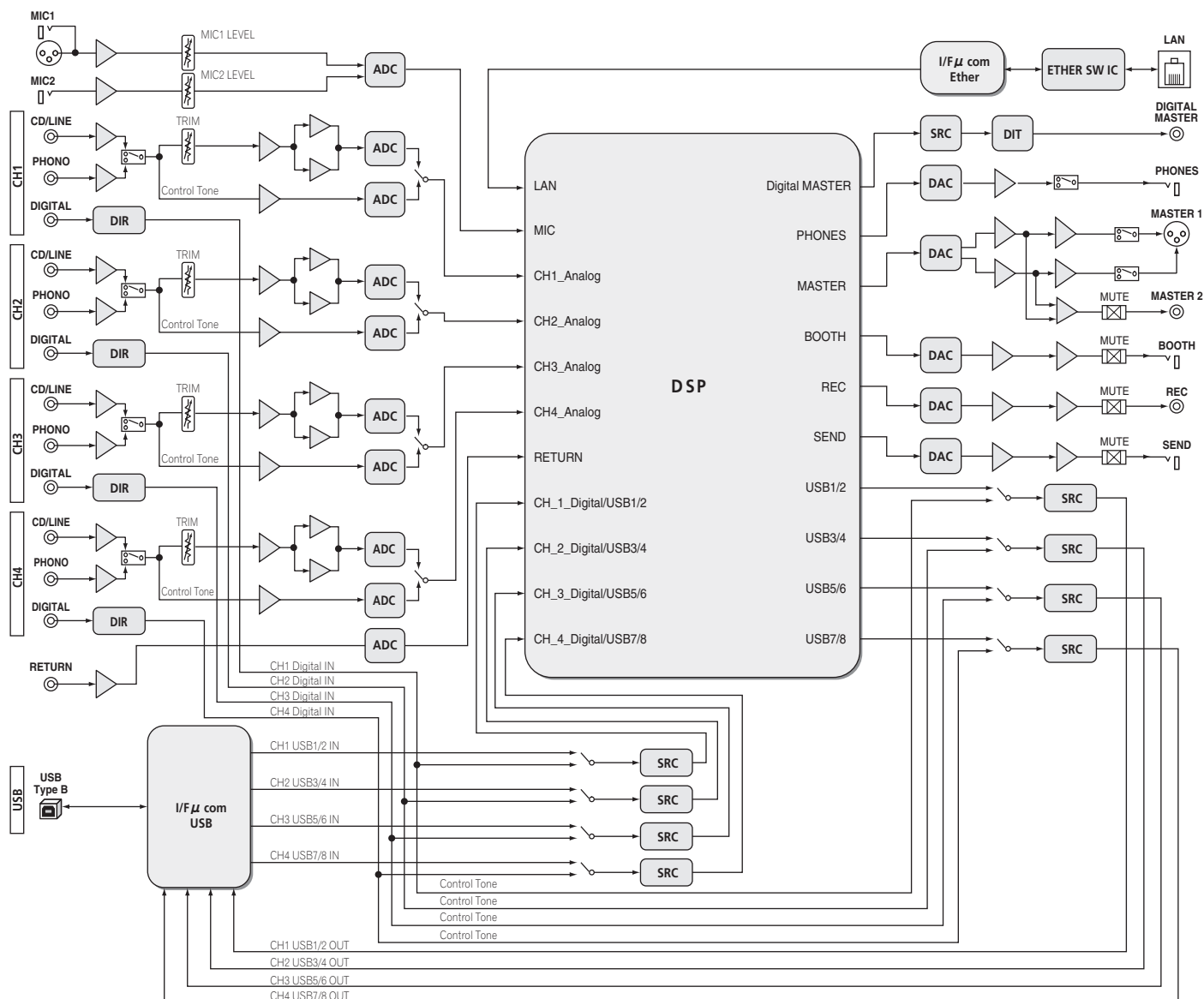
## Troubleshooting

- Incorrect operation is often mistaken for trouble or malfunction. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Inspect the other components and electrical appliances being used. If the trouble cannot be rectified after checking the items below, ask your nearest Pioneer authorized service center or your dealer to carry out repair work.
- The player may not operate properly due to static electricity or other external influences. In such cases, normal operation may be restored by unplugging the power cord then plugging it back in.

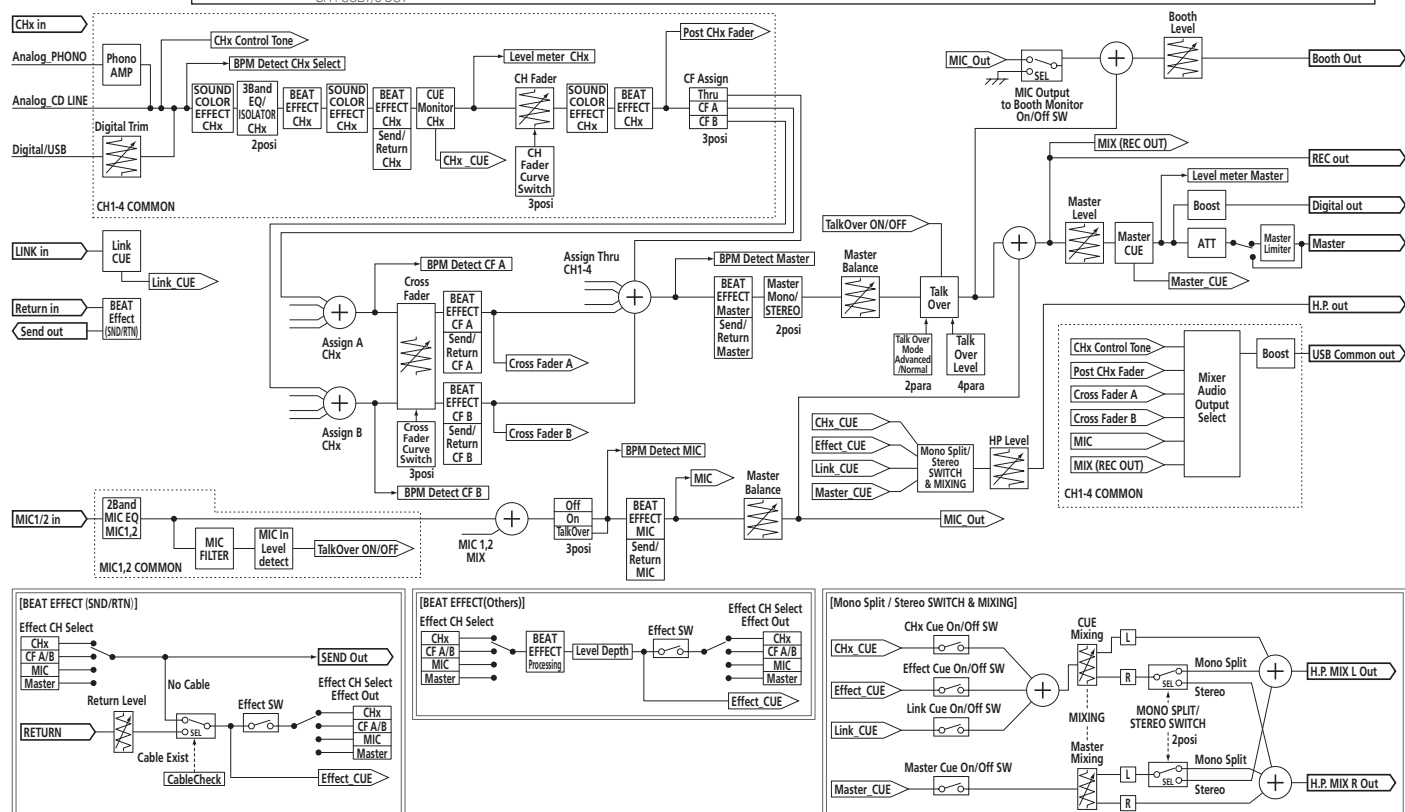
Problem	Check	Remedy
The power is not turned on.	Is the power cord properly connected?	Plug in the power cord to an AC outlet.
No sound or small sound.	Is the input selector switch set to the proper position?	Switch the input selector switch to switch the channel's input source. (page 14)
	Are the connection cables properly connected?	Connect the connection cables properly. (page 11)
	Are the terminals and plugs dirty?	Clean the terminals and plugs before making connections.
	Is <b>[MASTER ATT.]</b> set to <b>[-6 dB]</b> , etc.?	At the <b>[USER SETUP]</b> screen, switch <b>[MASTER ATT.]</b> . (page 24)
Digital sound cannot be output.	Is the digital audio output's sampling frequency (fs) suited for the specifications of the connected device?	On the <b>[CLUB SETUP]</b> screen, set <b>[Digital Master Out Sampling Rate]</b> according to the specifications of the connected equipment. (page 24)
Distorted sound.	Is the sound level output from the <b>[MASTER]</b> channel appropriately set?	Adjust the <b>[MASTER LEVEL]</b> control so that the master channel level indicator lights at around <b>[0 dB]</b> at the peak level. (Page 14) Set <b>[MASTER ATT.]</b> to <b>[-3 dB]</b> or <b>[-6 dB]</b> . (page 24)
	Is the level of audio input to each channel properly set?	Adjust the <b>[TRIM]</b> control so that the channel level indicator lights at about <b>[0 dB]</b> at the peak level. (Page 14)
Can't crossfade.	Are the <b>[CROSS FADER ASSIGN (A, THRU, B)]</b> selector switches properly set?	Set the <b>[CROSS FADER ASSIGN (A, THRU, B)]</b> selector switches for the different channels properly. (Page 14)
Can't fader start a DJ player.	Is <b>[FADER START]</b> set to <b>[OFF]</b> ?	At the <b>[USER SETUP]</b> screen, set <b>[FADER START]</b> to <b>[ON]</b> . (page 24)
	Is the DJ player properly connected to the <b>[LINK]</b> terminal?	Connect the DJ player to the <b>[LINK]</b> terminal properly using a LAN cable. (page 11)
	Are the audio cables properly connected?	Connect this unit's audio input terminals and the DJ player's audio output terminals by audio cable. (page 11)
	Is the DJ player's player number properly set?	Set the DJ player's player number to the same number as the channel to which the audio cable is connected.
<b>[BEAT EFFECTS]</b> does not work.	Is the effect channel selector switch set to the proper position?	Turn the effect channel selector switch to select the channel to which you want to apply the effect.
<b>[SOUND COLOR FX]</b> does not work.	Is the <b>[COLOR]</b> control set to an appropriate position?	Turn the <b>[COLOR]</b> control clockwise or counterclockwise. (page 16)
Can't use an external effector.	Is the <b>[ON/OFF]</b> button for <b>[BEAT EFFECTS]</b> set to <b>[ON]</b> ?	Press the <b>[ON/OFF]</b> button for <b>[BEAT EFFECTS]</b> to set <b>[SND/RTN]</b> to <b>[ON]</b> . (page 16)
	Is the external effector properly connected to the <b>[SEND]</b> or <b>[RETURN]</b> terminal?	Connect the external effector to the <b>[SEND]</b> and <b>[RETURN]</b> terminals. (page 11)
Distorted sound from an external effector.	Is the external effector's audio output level set to an appropriate level?	Adjust the external effector's audio output level.
Tempo <b>(BPM)</b> cannot be measured or measurement value of tempo <b>(BPM)</b> is implausible.	Is the audio input level too high or too low?	Adjust the <b>[TRIM]</b> control so that the channel level indicator lights at about <b>[0 dB]</b> at the peak level. (Page 14)
		For some tracks, it may not be possible to measure the tempo <b>(BPM)</b> . Use the <b>[TAP]</b> button to input the tempo manually. (page 16)
Measured tempo <b>(BPM)</b> differs from tempo indicated on CD.	—	The values may differ slightly due to the different ways in which the <b>BPM</b> is measured.
MIDI sequencer does not synchronize.	Is the MIDI sequencer's sync mode set to Slave?	Set the MIDI sequencer's sync mode to Slave.
	Does the MIDI sequencer you are using support MIDI timing clocks?	MIDI sequencers not supporting MIDI timing clocks cannot be synchronized.
MIDI control does not work.	Is the MIDI channel turned on?	Press the <b>[ON/OFF]</b> button for <b>[MIDI]</b> . (page 17)
	Are the MIDI settings properly set?	To operate DJ software with this unit, this unit's MIDI messages must be assigned to the DJ software you are using. For instructions on assigning messages, see your DJ software's operating instructions.
This unit is not recognized after it has been connected to a computer. USB indicator is off or flashing.	Is the driver software properly installed on your computer?	Install the driver software. If it is already installed, reinstall it. (page 6)
Sound of a computer cannot be output from this unit.	Are this unit and computer properly connected?	Connect this unit and the computer directly using the included USB cable. (page 12)
	Are the audio output device settings properly set?	Select this unit with the audio output device settings. For instructions on making settings for your application, see your application's operating instructions.
	Is the input selector switch set to the proper position?	Set the input selector switch to the <b>[USB]</b> position. (Page 14)
Effect sound cannot be monitored even when the <b>[CUE]</b> button for <b>[BEAT EFFECTS]</b> is pressed.	—	The circuit that generates the echo for the <b>[ECHO]</b> , <b>[REVERB]</b> , <b>[ROLL]</b> , <b>[SLIP ROLL]</b> and <b>[REV ROLL]</b> effect sounds is positioned after the effect circuit, so the effect sound cannot be monitored. This is not a malfunction.
Sound is distorted when an analog player is connected to this unit's <b>[PHONO]</b> terminals. Or, lighting of the channel level indicator does not change even when the <b>[TRIM]</b> control is turned.	Have you connected an analog player with a built-in phono equalizer?	Connect the analog player with built-in phono equalizer to the <b>[CD/LINE]</b> terminals. (page 11) If the analog player with built-in phono equalizer has a PHONO/LINE selector switch, switch it to PHONO.
	Is an audio interface for computers connected between the analog player and this unit?	If the output of the audio interface for computers is line level, connect it to the <b>[CD/LINE]</b> terminals. (page 11)
		If the analog player has a PHONO/LINE selector switch, switch it to PHONO.



# Block Diagram



Additional information



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## Acquiring the manual

The operating instructions may be in a file in PDF format. Adobe® Reader® must be installed to read files in PDF format. If you do not have Adobe Reader, please install it from the download link on the CD-ROM's menu screen.

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### Downloading the latest versions of the operating instructions and the Quick Start Guide - Serato DJ Edition

#### 1 Insert the CD-ROM into the computer's CD drive.

The CD-ROM menu is displayed.

If the CD-ROM's menu does not appear when the CD-ROM is inserted, perform the operations below.

- For Windows  
From the **[Start]** menu – **[Computer]** (or **[My Computer]**), open the CD drive and double-click the **[CD\_menu.exe]** icon.
- For Mac OS X  
In Finder, double-click the **[CD\_menu.app]** icon directly.

#### 2 When the CD-ROM's menu is displayed, select **[DJM-900SRT: Download the Operating Instructions (PDF file)]**, then click **[Start]**.

#### 3 "An internet environment is required to access the site. Connected to the internet?" is displayed. Click **[Yes]**.

The web browser is launched and the Pioneer DJ support site is displayed.

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

#### 4 On the Pioneer DJ support site, click "Manuals" under "DJM-900SRT".

#### 5 From the download page, click the language for the documents you require.

Downloading of the operating instructions/Quick Start Guide - Serato DJ Edition starts.

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### Downloading the Serato DJ software manual

#### 1 Insert the CD-ROM into the computer's CD drive.

The CD-ROM menu is displayed.

If the CD-ROM's menu does not appear when the CD-ROM is inserted, perform the operations below.

- For Windows  
From the **[Start]** menu – **[Computer]** (or **[My Computer]**), open the CD drive and double-click the **[CD\_menu.exe]** icon.
- For Mac OS X  
In Finder, double-click the **[CD\_menu.app]** icon directly.

#### 2 When the CD-ROM's menu is displayed, select **[Serato DJ: Download the Software Manual (PDF file)]**, then click **[Start]**.

#### 3 "An internet environment is required to access the site. Connected to the internet?" is displayed. Click **[Yes]**.

The web browser is launched and the Pioneer DJ support site is displayed.

#### 4 Click **[Software Info]** under **[DJM-900SRT]** on the Pioneer DJ support site.

**[Serato DJ Support Information]** is displayed.

#### 5 Click the link to the Serato DJ download page.

The Serato DJ download page is displayed.

<http://serato.com/>

#### 6 Log in to your "Serato.com" user account.

Input the e-mail address and password you have registered to log in to "Serato.com".

#### 7 From "More Downloads" on the right side of the download page, click "Serato DJ x.x User Manual".

Downloading of the Serato DJ software manual starts.

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## Specifications

### General

Power requirements .....	AC 120 V, 60 Hz
Power consumption.....	42 W
Power consumption (standby) .....	0.4 W
Main unit weight .....	7.1 kg (15.7 lb)
Max. dimensions.....	331 mm (W) × 107.9 mm (H) × 404 mm (D) (13 in. (W) × 4.2 in. (H) × 15.9 in. (D))
Tolerable operating temperature .....	+5 °C to +35 °C (+41 °F to +95 °F)
Tolerable operating humidity .....	5 % to 85 % (no condensation)

### Audio Section

Sampling rate .....	96 kHz
MASTER D/A converter .....	32 bits
Other A/D and D/A converters .....	24 bits
Frequency characteristic	
<b>CD/LINE</b> .....	20 Hz to 20 kHz
S/N ratio (rated output)	
<b>PHONO</b> .....	88 dB
<b>CD/LINE</b> .....	105 dB
<b>MIC1, MIC2</b> .....	84 dB
Total harmonic distortion ( <b>CD/LINE</b> — <b>MASTER1</b> ) .....	0.005 %
Standard input level / Input impedance	
<b>PHONO</b> .....	−52 dBu/47 kΩ
<b>CD/LINE</b> .....	−12 dBu/47 kΩ
<b>MIC1, MIC2</b> .....	−52 dBu/8 kΩ
<b>RETURN</b> .....	−12 dBu/47 kΩ
Standard output level / Load impedance / Output impedance	
<b>MASTER1</b> .....	+8 dBu/10 kΩ/5 Ω or lower
<b>MASTER2</b> .....	+2 dBu/10 kΩ/22 Ω or lower
<b>REC OUT</b> .....	−8 dBu/10 kΩ/22 Ω or lower
<b>BOOTH</b> .....	+8 dBu/10 kΩ/1 kΩ or lower
<b>SEND</b> .....	−12 dBu/10 kΩ/1 kΩ or lower
<b>PHONES</b> .....	+8.5 dBu/32 Ω/1 Ω or lower
Rated output level / Load impedance	
<b>MASTER1</b> .....	+26 dBu/10 kΩ
<b>MASTER2</b> .....	+22 dBu/10 kΩ
Crosstalk ( <b>LINE</b> ) .....	82 dB
Channel equalizer characteristic	
<b>HI</b> .....	−26 dB to +6 dB (13 kHz)
<b>MID</b> .....	−26 dB to +6 dB (1 kHz)
<b>LOW</b> .....	−26 dB to +6 dB (70 Hz)
Microphone equalizer characteristic	
<b>HI</b> .....	−12 dB to +12 dB (10 kHz)
<b>LOW</b> .....	−12 dB to +12 dB (100 Hz)

### Input / Output terminals

<b>PHONO</b> input terminal	
RCA pin jacks.....	4 sets
<b>CD/LINE</b> input terminal	
RCA pin jacks.....	4 sets
<b>MIC1</b> input terminal (XLR/TRS)	
XLR connector/phone jack (Ø 6.3 mm) .....	1 set
<b>MIC2</b> input terminal (TRS)	
Phone jack (Ø 6.3 mm) .....	1 set
<b>RETURN</b> Input terminals (TS)	
Phone jack (Ø 6.3 mm) .....	1 set
<b>DIGITAL IN</b> coaxial input terminal	
RCA pin jacks.....	4 sets
<b>MASTER</b> output terminal	
XLR connector.....	1 set
RCA pin jacks.....	1 set
<b>BOOTH</b> output terminal (TRS)	
Phone jack (Ø 6.3 mm) .....	1 set
<b>REC OUT</b> output terminal	
RCA pin jacks.....	1 set
<b>SEND</b> output terminal (TS)	
Phone jack (Ø 6.3 mm) .....	1 set
<b>DIGITAL MASTER OUT</b> coaxial output terminal	
RCA pin jacks.....	1 set
<b>MIDI OUT</b> terminal	
5P DIN .....	1 set
<b>PHONES</b> output terminal	
Stereo phone jack (Ø 6.3 mm) .....	1 set
<b>USB</b> terminal	
B type.....	1 set
<b>LINK</b> terminal	
LAN terminal (100Base-TX) .....	1 set

- The specifications and design of this product are subject to change without notice.
- If you require a new CONTROL CD due to wear, breakage, etc., see below.  
Note that this part is expendables and not covered by the warranty, even within the warranty period.

### — CONTROL CD

See the information on the Pioneer DJ support site  
(<http://pioneerdj.com/support/>).





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**PRODUCT WARRANTY PERIOD**

	Parts	Labor
DJ Audio and Video .....	1 Year	1 Year

The warranty period for retail customers who rent the product commences upon the date product is first put into use (a) during the rental period or (b) retail sale, whichever occurs first.

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PUSA has appointed a number of Authorized Service Companies throughout the U.S.A. and Canada should your product require service. To receive warranty service you need to present your sales receipt or, if rented, your rental contract showing place and date of original owner's transaction. If shipping the unit you will need to package it carefully and send it, transportation prepaid by a traceable, insured method, to an Authorized Service Company. Package the product using adequate padding material to prevent damage in transit. The original container is ideal for this purpose. Include your name, address and telephone number where you can be reached during business hours.

On all complaints and concerns in the U.S.A. and Canada call Customer Support at 1-800-872-4159.

For hook-up and operation of your unit or to locate an  
Authorized Service Company, please call or write:  
CUSTOMER SUPPORT  
PIONEER ELECTRONICS (USA) INC.  
P.O. BOX 1720  
LONG BEACH, CALIFORNIA 90801  
1-800-872-4159  
<http://www.pioneerelectronics.com>

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Following our response to any initial request to Customer Support, should a dispute arise between you and Pioneer, Pioneer makes available its Complaint Resolution Program to resolve the dispute. The Complaint Resolution Program is available to you without charge. You are required to use the Complaint Resolution Program before you exercise any rights under, or seek any remedies, created by Title I of the Magnuson-Moss Warranty-Federal Trade Commission Improvement Act, 15 U.S.C. 2301 *et seq.*

To use the Complaint Resolution Program call 1-800-872-4159 and explain to the customer service representative the problem you are experiencing, steps you have taken to have the product repaired during the warranty period and the name of the authorized Distributor/Dealer from whom the Pioneer product was purchased. After the complaint has been explained to the representative, a resolution number will be issued. Within 40 days of receiving your complaint, Pioneer will investigate the dispute and will either: (1) respond to your complaint in writing informing you what action Pioneer will take, and in what time period, to resolve the dispute; or (2) respond to your complaint in writing informing you why it will not take any action.

**RECORD THE PLACE AND DATE OF PURCHASE FOR FUTURE REFERENCE**

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Purchase Date \_\_\_\_\_

Purchased From \_\_\_\_\_

KEEP THIS INFORMATION AND YOUR SALES RECEIPT IN A SAFE PLACE

UCP0212

To register your product, find the nearest authorized service location, to purchase replacement parts, operating instructions, or accessories, please go to one of following URLs :

Pour enregistrer votre produit, trouver le service après-vente agréé le plus proche et pour acheter des pièces de rechange, des modes d'emploi ou des accessoires, reportez-vous aux URL suivantes :

**In the USA & Canada/Aux Etats-Unis & Canada**  
**<http://www.pioneerelectronics.com>**

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