





ORDER NO. RRV4641

# DJ controller

#### THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

| Model  | Туре    | Power Requirement | Remarks |
|--------|---------|-------------------|---------|
| DDJ-RX | FJLPXEG | AC 100 V to 240 V |         |
| DDJ-RX | SVYXEG  | AC 100 V to 240 V |         |
| DDJ-RX | UXEGCB  | AC 100 V to 240 V |         |
| DDJ-RX | AXEG    | AC 100 V to 240 V |         |

#### THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).

| Model  | Order No. | Remarks   |
|--------|-----------|---|
| DDJ-RX | RRV4642   | SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM, PCB PARTS LIST |



PIONEER CORPORATION 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © Pioneer DJ Corporation 2015

# SAFETY INFORMATION

С

2

This service manual is intended for qualified service technicians; it is not meant for the casual do-ityourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

З

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

#### WARNING

B This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

#### - (FOR USA MODEL ONLY)

#### **1. SAFETY PRECAUTIONS**

The following check should be performed for the continued protection of the customer and service technician.

#### LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120 V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

#### 2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a  $\triangle$  on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

4

2

DDJ-RX

| _    | F                | _           | <u>^</u>            | _     | 7 | _ | 0  | _ |
|------|------------------|-------------|---------------------|-------|---|---|----|---|
| -    |                  | -           | 0                   | -     | 7 | - | 8  | - |
|      |                  |             |                     |       |   |   |    |   |
| SA   | AFETY INFORMATI  | ON          |                     |       |   |   | 2  |   |
| 1. 9 | SERVICE PRECAU   | TIONS       |                     |       |   |   |    |   |
|      | 1.1 NOTES ON SO  | LDERING     |                     |       |   |   |    | А |
|      | 1.2 DIFFERENCES  | BETWEEN     | THE DDJ-RX and DDJ- | -SX2  |   |   |    |   |
| 2. 9 | SPECIFICATIONS   |             |                     |       |   |   | 5  |   |
| 3. I | BASIC ITEMS FOR  | SERVICE     |                     |       |   |   | 6  |   |
| ;    | 3.1 CHECK POINTS | S AFTER SE  | RVICING             |       |   |   | 6  |   |
|      | 3.2 JIGS LIST    |             |                     |       |   |   | 6  |   |
| ;    | 3.3 PCB LOCATION | ۱S          |                     |       |   |   | 7  |   |
| 4. 6 | BLOCK DIAGRAM .  |             |                     |       |   |   |    |   |
|      | 4.1 OVERALL WIRI | NG DIAGRA   | М                   |       |   |   | 8  |   |
|      | 4.2 OVERALL BLO  | CK DIAGRAN  | Л                   |       |   |   | 9  |   |
| 5. I | DIAGNOSIS        |             |                     |       |   |   |    |   |
| :    | 5.1 TROUBLESHO   | OTING       |                     |       |   |   |    |   |
|      | 5.2 OPERATION CI | HECK WITH   | rekordbox           |       |   |   |    | В |
| 6. 9 | SERVICE MODE     |             |                     |       |   |   |    |   |
|      | 6.1 SERVICE MOD  | Е           |                     |       |   |   |    |   |
| 7. [ | DISASSEMBLY      |             |                     |       |   |   |    |   |
| 8. I | EACH SETTING AN  | ID ADJUSTN  | 1ENT                |       |   |   |    |   |
|      | 8.1 NECESSARY I  | FEMS TO BE  | NOTED               |       |   |   |    | _ |
|      | 8.2 UPDATING OF  | THE FIRMW   | ARE                 |       |   |   |    |   |
|      | 8.3 ITEMS FOR WH | HICH USER S | SETTINGS ARE AVAIL  | .ABLE |   |   | 45 |   |
| 9. I | EXPLODED VIEWS   | AND PARTS   | S LIST              |       |   |   |    |   |
|      | 9 2 EXTERIOR SEC | CTION       |                     |       |   |   | 49 |   |

С

D

Е

F

DDJ-RX

7

6

5

8

## **1. SERVICE PRECAUTIONS** 1.1 NOTES ON SOLDERING

В

С

For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
 Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.

З

Do NOT use a soldering iron whose tip temperature cannot be controlled.

#### 1.2 DIFFERENCES BETWEEN THE DDJ-RX and DDJ-SX2

This product is based on the DDJ-SX2, and some operation buttons are added to provide optimal operations as a dedicated control unit for "rekordbox dj," an application having DJ play functions. The differences in the operating elements of the DDJ-RX from those of the DDJ-SX2 are as follows:

• The operating elements of the DDJ-RX are laid out, taking compatibility with "rekordbox dj" application software into full consideration.

 The DDJ-RX supports the sequencer function, which enables restructuring and arrangement of audio sources assigned to Sampler.



DDJ-RX

з

4

2

# 2. SPECIFICATIONS

#### AC adapter

| Power | rAC 100 V to 24 | 0 V, 50 Hz/60 Hz |
|-------|-----------------|------------------|
| Rated | current         |                  |
| Rated | l output        | DC 5 V, 3 A      |

6

#### General – Main Unit

| Vlain unit weight 5.8 kg (12.8 lb)                                |
|---|
| Max. dimensions 664 mm (W) × 70.4 mm (H) × 353.4 mm (D)           |
| (26.1 in. (W) × 2.8 in. (H) × 13.9 in. (D)                        |
| Folerable operating temperature+5 °C to +35 °C (+41 °F to +95 °F) |
| Folerable operating humidity5 % to 85 % (no condensation)         |

#### **Audio Section**

| Sampling rate                             | 44.1 kHz  |
|---|---|
| A/D, D/A converter                        | 24 bits   |
| Frequency characteristic                  |   |
| USB. CD/LINE. MIC1. MIC2                  |   |
| S/N ratio (rated output A-WEIGHTED)       |   |
| LISB                                      | 107 dB  |
|   |   |
|   |   |
|   |   |
|   |   |
| Iotal harmonic distortion (20 Hz – 20 kHz | zBW)  |
| USB                                       | 0.003 %   |
| CD/LINE                                   |   |
| Standard input level / Input impedance    |   |
| CD/LINE                                   | –12 dBu/47 kΩ   |
| PHONO                                     | –52 dBu/47 kΩ   |
| MIC                                       | -57 dBu/3 kO  |
| Standard output level / Load impedance /  | Output impedance                                      |
| MASTER OUT 1                              | $\pm 6  dBu/10  kO/330  O$                            |
|   |   |
|   |   |
|   | +6 abu/10 K2/330 12                                   |
| PHONE                                     |   |
| Rated output level / Load impedance       |   |
| MASTER OUT 1                              |   |
| MASTER OUT 2                              | 20 dBu/10 kΩ  |
| BOOTH OUT                                 | 24 dBu/10 kΩ  |
| Crosstalk                                 |   |
| CD/LINE                                   |   |
| Channel equalizer characteristic          |   |
| HI  | -26  dB to  +6  dB (13  kHz)                          |
| MID                                       | $-26 \text{ dB to } \pm 6 \text{ dB} (1 \text{ kHz})$ |
|   | 26 dB to 16 dB (70 Hz)                                |
| LOW                                       | 20 00 10 +0 00 (70 112)                               |
| OD input terminals                        |   |
|   |   |
| RCA pin jack                              | 2 sets  |
| PHONO/LINE input terminals                |   |
| RCA pin jack                              | 2 sets  |
| MIC1 terminal                             |   |
| XLR connector/phone jack (Ø 6.3 mm).      | 1 set   |
| MIC2 terminal                             |   |
| Phone jack (Ø 6.3 mm)                     | 1 set   |
| MASTER OUT 1 output terminal              |   |
| XI B connector                            | 1 set   |
| MASTER OUT 2 output terminal              |   |
| PCA pip jocks                             | 1 cot   |
| ROATH OUT output terminal                 |   |
|   | 4 1   |
| Phone Jack (Ø 6.3 mm)                     | I set   |
| PHONES output terminal                    |   |
| Stereo phone jack (Ø 6.3 mm)              | 1 set   |
| Stereo mini phone jack (Ø 3.5 mm)         | 1 set   |
| USB terminal                              |   |
| B type                                    | 1 set   |
|   |   |

• The specifications and appearance of this unit and the software are subject to change for improvement without notice.

5

#### Accessories

7

#### AC adapter (411-SXMK3-957)

Power plug

 (FJLPXEG: 420-DJM250-407A, 420-DJM250-362-HA, 420-DJM250-363-HA, 420-DJM250-364A, 420-DJM250-409A)
 (SVYXEG: 420-DJM250-362-HA, 420-DJM250-407A)
 (UXEGCB: 420-DJM250-361)
 (AXEG: 420-DJM250-408)

8

А

В

С

D

Е

F

5

8

- USB cable (408-SUB-132)
- Operating Instructions (Quick Start Guide) (FJLPXEG: 502-SXMK3F-3548) (SVYXEG: 502-SXMK3B-3546) (UXEGCB: 502-SXMK3A-3545) (AXEG: 502-SXMK3D-3547)
- rekordbox dj license key (The license key cannot be reissued. Be careful not to lose it.)

DDJ-RX

7

#### 1 2 **3. BASIC ITEMS FOR SERVICE** 3.1 CHECK POINTS AFTER SERVICING

A **Items to be checked after servicing** To keep the product quality after servicing, confirm recommended check points shown below.

|        | No. | Procedures   | Check points   |  |
|--------|-----|--|--|--|
|        | 1   | Check the firmware version.  | The firmware version must be the latest one.<br>If it is not the latest one, be sure to update it.   |  |
| ■<br>B | 2   | Confirm that the customer complaint has been resolved.<br>If the problem pointed out by the customer occurs with a specific<br>source (music file, input channel) or specific operation then<br>perform that operation for checking. | The symptoms in question must not be reproduced.<br>There must be no abnormality in audio signals or operations.   |  |
|        | 3   | Check operations of the each operating elements and LEDs.  | There must be no errors in operations of each button, the Jog dial,<br>Performance pads, needle search pads, VOL, fader control,<br>rotary encoder and LEDs in service mode. |  |
|        | 4   | Check the analog audio output.<br>Connect this unit with a PC with the DJ application (rekordbox<br>later version 4.0.1) installed, via USB, then operate DJ application.  | There must be no errors, such as noise, in audio signals and operations of the MASTER/HEADPHONES outputs.  |  |
|        | 5   | Check the analog audio input.<br>Input an audio signal via each channel (MIC/LINE/PHONO).  | There must be no abnormality in audio signals or operations.   |  |
|        | 6   | Check the appearance of the product.   | No scratches or dirt on its appearance after receiving it for service.   |  |

3

4

#### See the table below for the items to be checked regarding audio.

| с | Item to be checked regarding audio |                    |  |  |
|---|------------------------------------|--------------------|--|--|
|   | Distortion                         | Volume too high    |  |  |
|   | Noise                              | Volume fluctuating |  |  |
|   | Volume too low                     | Sound interrupted  |  |  |

#### D

#### 3.2 JIGS LIST

#### Jigs List

|   | Jig Name                    | Part No.      | Purpose of use / Remarks  |
|---|-----------------------------|---------------|---|
|   | USB cable                   | GGP1193       | for PC connection   |
| _ | AC adapter                  | 411-SXMK3-957 | Accessory<br>(Note: The power plug part is different.)                    |
| F | Extension FFC for diagnosis | GGP1246       | 37-pin FFC (Part No.: 406-S1-1234-HA)<br>(Two FFCs required for diagnosis |

#### Lubricants and Glues List

#### 

6

1

|   | Name     | Part No. | Remarks                    |
|---|----------|----------|----------------------------|
|   | Adhesive | GYL1001  | Refer to "7. DISASSEMBLY". |
|   | Adhesive | GYL1005  | Refer to "7. DISASSEMBLY". |
| F | Grease   | GEM1096  | Refer to "7. DISASSEMBLY". |

DDJ-RX

2

4

# 3.3 PCB LOCATIONS

5



6

7

8

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
The <u>A</u> mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

6

| Mark No. Description | Part No.          | Mark No. Description     | Part No.       | _ |
|----------------------|-------------------|--------------------------|----------------|---|
| LIST OF ASSEMBLIES   |                   | -                        |                |   |
| 1CR FADER PCB ASSY   | 704-EN1000-9788   | 1I/O & FIXED PLATE ASSY  | 704-SXMK3-B272 |   |
| 1SENSOR PCB ASSY     | 704-PDJ33-A007-HA | 2I/O PCB ASSY SERVICE    | 704-SXMK3-B332 |   |
| 1MIX PCB ASSY        | 704-SXMK3-B255    | 3DSP PCB ASSY            | 704-SXMK3-B271 |   |
| 1CONTROL PCB ASSY A  | 704-SXMK3-B252    | 2OUTPUT PCB ASSY         | 704-S1MK2-A958 |   |
| 1CONTROL PCB ASSY B  | 704-SXMK3-B253    |                          |                |   |
|                      |                   | 1BAL PCB & FIXED P. ASSY | 704-S1MK2-A986 |   |
| 1FRONT PCB ASSY      | 704-SXMK3-B254    | 2BAL. PCB ASSY           | 704-S1MK2-A956 |   |
| 1TOUCH PCB ASSY      | 704-S1MK2-A957    |                          |                |   |
| 1TRANSFER PCB ASSY   | 704-SXMK3-B256    | 1LED & COVER ASSY        | 704-S1MK2-A961 | F |
|                      |                   | 2LED PCB ASSY            | 704-S1MK2-A959 |   |
|                      |                   |                          |                |   |
|                      |                   |                          |                |   |

DDJ-RX

8

7

Е





#### 5. DIAGNOSIS 5.1 TROUBLESHOOTING







DDJ-RX

#### [3] Abnormality in audio input/output



DDJ-RX





DDJ-RX **7**  С

D

Е

F

### 5.2 OPERATION CHECK WITH rekordbox

#### A [Installation of rekordbox]

1

A brief explanation of how to install rekordbox on a PC is given below. For details, refer to the operating instructions of the software.

If the OS of the PC to be used is Windows, install the driver software that enables audio output from the PC beforehand.

2

The operating environment of the PC required for installation of rekordbox is shown below.

#### Minimum operating environment

| Supported operating systems   |                         | CPU and required memory                    | Others              |  |  |
|---|-------------------------|--|---------------------|--|--|
| Mac OS X: 10.10, 10.9, 10.8<br>(latest update)  |                         | Intel Processor Dual Core 2.0GHz or higher | LISB port           | A USB 2.0 port is required to connect the computer with this unit. |  |
|   |                         | 4 GB or more of RAM                        |                     |  |  |
| Windows:  | s 10 Pro 32-bit version | Intel Processor Dual Core 2.0GHz or higher | Display resolution  | Resolution of 1280 x 768 or greater                                |  |
| Windows 10/Windows 10 Pro   |                         | 4 GB or more of RAM                        | Internet connection | An Internet connection is required for registering the re          |  |
| Windows 8, Windows 8.1,<br>Windows 8, Windows 8.1,<br>Windows 8 Pro, Windows 8.1 Pro<br>(latest service pack),<br>Windows 7 Home Premium,<br>Perfoscional, Ultimate |                         | Intel Processor Dual Core 2.0GHz or higher |                     | user account and downloading the software.                         |  |
|   | 64-bit version          | 4 GB or more of RAM                        |                     |  |  |

 For the latest information on the required operating environment and compatibility as well as to acquire the latest operating system, see "Software Info" of "DDJ-RX" on the "Pioneer DJ" site and "System Requirements" of "rekordbox.com" below. http://pioneerdi.com/support/ http://rekordbox.com/

• Use the latest version/service pack of the operating system.

For the latest version of the rekordbox software, access rekordbox.com and download the software from there. For downloading, registration of a user account at rekordbox is required.

Unzip the downloaded file, then double-click the unzipped file to launch the installer.

2

- C Read the terms of the license agreement carefully, and if you agree, select [Agree], then click [Next](Mac OS X: Continue). After installation is completed, the Installation Completed screen will be displayed. Click on [Finish](Mac OS X: Close) to quit the rekordbox installer.
  - Be sure to use rekordbox Version 4.0.1 or later, because the prior versions of rekordbox do not support the DDJ-RX.
  - Activation using a license key is required to use PERFORMANCE mode for enabling the DJ performance function of rekordbox.

#### 

D

Е

В

(latest service pack)

#### [Operating procedures]

- ① Connect headphone to one of the [PHONES] terminals.
- ② Connect powered speakers, a power amplifier, components, etc., to the [MASTER OUT 1] or [MASTER
- OUT 2] terminals.
- ③ Connect this unit to your computer via a USB cable.
- ④ Turn on the computer's power.
- 5 Connect the AC adapter.
- 6 Press the [STANDBY/ON] switch on this unit's rear panel to turn this unit's power on.
- ⑦ Turn on the power of the devices connected to the output terminals (powered speakers, power amplifier, components, etc.).

#### [Connections]

3



#### Starting the system

#### For Windows 7

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

7

8

А

В

С

D

Е

F

17

#### For Windows 8/Windows 8.1

5

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

#### For Windows 10

Click the [rekordbox] icon under [All apps] > [Pioneer] after left-clicking the Windows start button.

6

#### For Mac OS X

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

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



#### Computer screen when a track is loaded in rekordbox dj

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



#### A Track deck section

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

#### **B** Enlarged waveform section

The loaded track' s waveform is displayed here.

#### C Browse section

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

#### **D** Global section

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



#### A Importing tracks

- 1 Click [Collection] in the tree view.
- ② Open Finder or WindowsExplorer and drag and drop music files and/or folders, where music files are stored, to the track list.

3



2

- B Loading tracks and playing them
  - ① Press this unit' s [BACK] button, move the cursor to the tree view on the computer screen, then turn the rotary selector and select a collection or playlist, etc.
  - ② Press the rotary selector, move the cursor to the track list on the computer screen, then turn the rotary selector and select a track.
  - ③ Press the [LOAD] button to load the selected track onto the deck.







#### Playing tracks and outputting the sound

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

| Names of controls, etc.    |   | Position                      |
|----------------------------|---|-------------------------------|
| MASTER LEVEL control       | 1 | Turned fully counterclockwise |
| TRIM control               | 2 | Turned fully counterclockwise |
| EQ (HI, MID, LOW) controls | 3 | Center                        |
| COLOR control              | 4 | Center                        |
| Channel fader              | 5 | Moved forward                 |
| Crossfader Assign Switch   | 6 | [THRU] position               |
| INPUT SELECT switch        | 7 | [PC] position                 |

- ② Press the [▶/II] button to play the track.
  ③ Move the channel fader (5) away from you.
- 4 Turn the [TRIM] control (2).
- Adjust [TRIM] so that the orange indicator on the channel level indicator lights at the peak level.
- 5 Turn the [MASTER LEVEL] control (1) to adjust the audio level of the speakers.

#### ...

F

Е

D

#### Monitoring sound with headphones

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

| Names of controls, etc.  |   | Position                      |
|--------------------------|---|-------------------------------|
| HEADPHONES MIX control   | 8 | Center                        |
| HEADPHONES LEVEL control | 9 | Turned fully counterclockwise |

Press the headphones [CUE] button (10) for the channel 1.
 Turn the [HEADPHONES LEVEL] control (9).





4

18

1

2

DDJ-RX

# 6. SERVICE MODE

#### [1] Error Alarming

When the controller detects following 2 types of problem while the controller is launching or working, it should indicate using LEDs so that user notices the problem.

6

| No. | Part where problem occurs          | Symptom   | Controller's behavior when detect the problem                                 |
|-----|------------------------------------|---|---|
| 1   | Built-in FLASH ROM of<br>MAIN UCOM | When firmware is updated, the internal data on FLASH ROM can not be erased.   | LED within FX 1 assign button for Deck 3 is flashed in cycle of 1second. (*1) |
|     |                                    | When firmware is updated, the update data can not be written to FLASH ROM correctly.  |   |
| 2   | USB controller                     | Although the controller connects with a computer via USB cable, the USB controller within the controller can not communicate with the computer. | LED within FX 2 assign button for Deck 4 is flashed in cycle of 1second.      |

\*1: When the controller launches next, same LED is flashed.



7

#### [2] Service mode

#### [How to enter Service mode]

Turn on the power while pressing both left "SHIFT" button and the "DECK 1" button or while pressing both right "SHIFT" button and the "DECK 2" button.

LEDs of Channel Level Indicator (CH1), Channel Level Indicator (CH2), and Channel Level Indicator (CH4) are lit depending on the firmware version and other LEDs are unlit right after the controller launches in Service mode.

**Note:** Even if the controller connects with a computer via USB cable, it does not communicate with the computer during Service mode. Unused LEDs are unlit during Service mode.

#### [How to exit Service mode]

5

In order to exit Service mode, turn off the power.

#### [Note]

When in this mode, the firmware version display appear first. In this mode, it does not work to communicate with computer via USB. In this mode, LED dimmer is not available.



6

A

В

D

8

#### <sup>A</sup> 1. Confirmation of firmware version

1

В

С

LEDs of Channel Level Indicator (CH1) indicate first digit of the firmware version. (\*1) LEDs of Channel Level Indicator (CH2) indicate second digit of the firmware version. (\*1) LEDs of Channel Level Indicator (CH4) indicate third digit of the firmware version. (\*1) The firmware version is indicated right after the controller launches in Service mode. (\*2)

2

3



\*1: If the firmware version is "0", all segments of the Channel Level Indicator are unlit.\*2: If any Channel fader is slid, state of the Channel fader is indicated instead of firmware version.

#### 2. Check of buttons

All buttons on this controller can be checked using LEDs in Service Mode.



з

4

2

1

F

5

| Gr | oup | Trigger | Details  |
|----|-----|---------|--|
|    | A   | Press   | LED color is changed as follows each time the button is pressed.<br>Even if the button is released while the LED is lit, the controller holds lighting.<br>(The LED is embedded within the button.)  |
| L  |     | -       | White $\rightarrow$ Red $\rightarrow$ Yellow $\rightarrow$ Green $\rightarrow$ Cyan $\rightarrow$ Blue $\rightarrow$ Magenta $\rightarrow$ Unlit $\rightarrow$ White $\rightarrow \bullet \bullet \bullet$   |
|    | В   | Press   | When the button is released, the LED is unlit.<br>(The LED is embedded within the button.)   |
| С  | C1  | Press   | LED within HOT CUE Mode button of the same side is lit with blue color while the "C1" button is pressed and held.<br>When the "C1" button is released, the LED is unlit.<br>(LED within the HOT CUE Mode button is used in order to check the "C1" button.)  |
|    | C2  |         | LED within SAMPLER Mode button of the same side is lit with blue color while the "C2" button is pressed and held.<br>When the "C2" button is released, the LED is unlit.<br>(LED within the SAMPLER Mode button is used in order to check the "C2" button.)  |
|    | C3  |         | LED within the HEADPHONE CUE (CH1) button is lit while the "C3" button is pressed and held.<br>When the "C3" button is released, the LED is unlit.<br>(LED within the HEADPHONE CUE (CH1) button is used in order to check the "C3" button.)   |
|    | C4  |         | LED within right SYNC button is lit while the "C4" button is pressed and held.<br>When the "C4" button is released, the LED is unlit.<br>(LED within right SYNC button is used in order to check the "C4" button.)   |
|    | C5  |         | LED within left SLIP REVERSE button is lit while the "C5" button is pressed and held.<br>When the "C5" button is released, the LED is unlit.<br>(LED within left SLIP REVERSE button is used in order to check the "C5" button.)   |
|    | C6  |         | LED within DECK 1 button is lit while left "C6" button is pressed and held.<br>LED within DECK 2 button is lit while right "C6" button is pressed and held.<br>When the "C6" button is released, the LED is unlit.<br>(LED within DECK 1/DECK 2 button is used in order to check the "C6" button.) |
|    | C7  |         | LED within DECK 3 button is lit while left "C7" button is pressed and held.<br>LED within DECK 4 button is lit while right "C7" button is pressed and held.<br>When the "C7" button is released, the LED is unlit.<br>(LED within DECK 3/DECK 4 button is used in order to check the "C7" button.) |

7

#### 3. Check of rotary knobs, sliders and NEEDLE SEARCH pads

All rotary knobs, sliders and NEEDLE SEARCH pad on this controller can be checked using LEDs in Service Mode.



А

D

Е

F

21

A Table-2 LED behavior of when rotary knobs, sliders and NEEDLE SEARCH pads are checked

2

| [ | Gro | oup | Trigger              | Details   |
|---|-----|-----|----------------------|---|
|   | D   | D1  | Turn                 | Lighting position of white LEDs of Jog dial of the same side is moved depending on the turned amount. Refer to Figure-1.  |
|   |     | D2  |                      | Lighting position of white LEDs of both side Jog dials are moved depending on the turned amount. Refer to Figure-1.   |
|   | Ш   | E1  | Slide                | Lighting position of white LEDs of Jog dial of the same side is moved depending on the slid amount.<br>If the position after sliding is upper than center, The upper "TEMPO slider Take-over" indicator of the same side is lit.<br>If the position after sliding is lower than center, The lower "TEMPO slider Take-over" indicator of the same side is lit.<br>If the position after sliding is center, The upper and lower "TEMPO slider Take-over" indicators of the same side are<br>unlit. Refer to Figure-1. |
| в |     | E2  |                      | Lighting of Channel Level Indicator of the same channel is changed depending on the slid amount.<br>Refer to Figure-2.  |
|   |     | E3  |                      | Lighting of Master level indicator is changed depending on the slid amount.<br>Refer to Figure-3.   |
|   |     | E4  |                      | Lighting position of white LEDs of both side Jog dials are moved depending on the slid amount.<br>Refer to Figure-1.  |
|   | F   |     | Touch<br>and<br>move | Lighting position of white LEDs of Jog dial of the same side is moved depending on the touching position. Refer to Figure-1.  |

Figure-1 LED behavior of when a rotary knob is turned, a slider is slid, or a NEEDLE SEARCH pad is touched and moved

С

1

When position of the knob is center, these LEDs are lit. When position of the slider is center, these LEDs are lit. When position of Crossfader is center, these LEDs are lit.

3

When touching position of the NEEDLE SEARCH pad is center, these LEDs are lit.



When the knob is fully turned counterclockwise, these LEDs are lit.
 When position of the slider is top, these LEDs are lit.
 When position of Crossfader is left edge, these LEDs are lit.
 When the touching position of the NEEDLE SEARCH pad is left edge, these LEDs are lit.

When the knob is fully turned clockwise, these LEDs are lit. When position of the slider is bottom, these LEDs are lit. When position of Crossfader is right edge, these LEDs are lit. When the touching position of the NEEDLE SEARCH pad is right edge, these LEDs are lit.

Figure-2 LED behavior of when a Channel fader is slid

E This controller has Channel faders with 10 bit resolution. But, Channel Level Indicator is only 11 steps. Therefore, the controller rounds the actual position data to 11 steps.



#### Figure-3 LED behavior of when the SAMPLER VOLUME fader is slid

5

5

This controller has the SAMPLER VOLUME fader with 10 bit resolution. But, Master level indicator is only 6 steps. Therefore, the controller rounds the actual position data to 6 steps.

6

When position of the SAMPLER VOLUME fader is bottom, all segments of the Master level indicator are unlit.

MASTER LEVEL

When position of the SAMPLER VOLUME fader is top, all segments of the Master level indicator are lit.

7



8

А

В

С

D

Е

F

#### 4. Check of rotary encoders, slide SWs, and Jog dials

All rotary encoders, slide SWs, and Jog dials on this controller can be checked using LEDs in Service Mode.



DDJ-RX

6

| A | Table-3 | LED | behavior | of wher | rotary | encoders, | slide | SWs. | and Jo | og dials | are | check | ed |
|---|---------|-----|----------|---------|--------|-----------|-------|------|--------|----------|-----|-------|----|
|   |         |     |          |         |        | ,         |       |      |        |          |     |       |    |

|   | Gro | oup | Trigger | Details  |
|---|-----|-----|---------|--|
|   | G   | à   | Slide   | Lighting position of white LEDs of Jog dial of the same side is moved clockwise each time position of the slide SW is moved. Refer to Figure-4.  |
| 3 | Н   | H1  | Press   | LED lighting is changed as shown in following order each time the Rotary selector is pressed.<br>Even if the Rotary selector is released while the LEDs are lit, the controller holds lighting.<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is white.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is red.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is yellow.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is green.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is green.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is cyan.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is blue.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is magenta.) $\Rightarrow$<br>All LEDs are lit with full brightness. (LED color of the Pad Mode buttons and Pads is magenta.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is white.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is red.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is red.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is yellow.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is green.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is green.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is cyan.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is cyan.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is blue.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is blue.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad Mode buttons and Pads is blue.) $\Rightarrow$<br>All LEDs are lit dimly. (LED color of the Pad |
|   |     |     | Turn    | Lighting position of white LEDs of both side Jog dials are moved each time the Rotary selector is turned. Refer to Figure-4.   |
|   |     | H2  | Press   | LED within the BEAT ◀ button of the same side is lit while the rotary encoder is pressed and held. When the rotary encoder is released, the LED is unlit.  |
| C |     |     | Turn    | Lighting position of white LEDs of Jog dial of the same side is moved each time the rotary encoder is turned. Refer to Figure-4.   |
|   | I   |     | Touch   | All white and red LEDs of Jog dial are lit while top surface of the Jog dial is touched and held.<br>When top surface of the JOG is released, the LEDs are unlit.  |
|   |     |     | Turn    | Lighting position of white LEDs of Jog dial is moved when the Jog dial is turned.<br>Refer to Figure-4.  |

Figure-4 LED behavior of when a slide SW is slid, a rotary encoder is turned, or a Jog dial is turned

- \*: Only when positon of a slide SW is moved, lighting position of white LED is moved clockwise.
- \*: The starting position depends on the last position.



F

#### 5. Factory reset

5

All settings in Utilities mode and adjustment value for Jog dial touch sensitivity can be initialized in Service mode.

#### [Trigger to initialize]

In order to initialize all settings in Utilities mode, press and hold both left and right SYNC buttons for over 2 seconds during Service mode.

А

в

С

D

Е

F

25

8

To perform Factory Reset, wait at least 5 seconds after Service mode is entered.

#### [Posterior condition]

LEDs wihin both left and right SYNC buttons are lit while the controller is initializing the settings. When the initialization is completed, the LEDs are unlit.

\*: All settings in Utilities mode are initialized.

Adjustment values for left and right Jog dial touch sensitivity are returned to center value.



#### 6. Check of velocity

Behavior of velocity can be checked using Channel Level Indicator in Service Mode.

#### [Preparation to check velocity]

5

In order to check the velocity, press both left and right HOT CUE Mode buttons firstly during Service mode. In order to select Pads of which check the velocity, press left Pad Mode button.

Relation between left Pad Mode button and checkable Pad is shown in Table-4.

State transition between Service mode and Velocity check mode is shown in Figure-5.

Table-4 Relation between left Pad Mode button and checkable Pads

| Mode                  | Checkable Pads                       | Pad Mode button               |
|-----------------------|--------------------------------------|-------------------------------|
| Velocity check mode 1 | Left Pad 1, Pad 2, Pad 3, and Pad 4  | Left HOT CUE Mode button (*1) |
| Velocity check mode 2 | Left Pad 5, Pad 6, Pad 7, and Pad 8  | Left PAD FX1 Mode button (*1) |
| Velocity check mode 3 | Right Pad 1, Pad 2, Pad 3, and Pad 4 | Left SLICER Mode button (*1)  |
| Velocity check mode 4 | Right Pad 5, Pad 6, Pad 7, and Pad 8 | Left SAMPLER Mode button (*1) |

\*1: LED within the pressed Pad Mode button is lit with blue color.

In order to return from Velocity check mode to Service mode, press the Rotary selector. Then the controller returns to condition right after it launches in Service mode.

Figure-5 State transition between Service mode and Velocity check mode



3

С

D

F

#### [Trigger of which check velocity]

- 1) Press left Pad 1, Pad 2, Pad 3, or Pad 4 when LED within left HOT CUE Mode button is lit with blue color.
- 2) Press left Pad 5, Pad 6, Pad 7, or Pad 8 when LED within left PAD FX1 Mode button is lit with blue color.
- 3) Press right Pad 1, Pad 2, Pad 3, or Pad 4 when LED within left SLICER Mode button is lit with blue color.
- 4) Press right Pad 5, Pad 6, Pad 7, or Pad 8 when LED within left SAMPLER Mode button is lit with blue color.

#### [Posterior condition]

- 1) Lighting of Channel Level Indicator (CH3) is changed depending on pressure force of the pressing Pad (\*2).
- 2) Lighting of Channel Level Indicator (CH1) is changed depending on pressure force of the pressing Pad (\*3).
- 3) Lighting of Channel Level Indicator (CH2) is changed depending on pressure force of the pressing Pad (\*4).
- 4) Lighting of Channel Level Indicator (CH4) is changed depending on pressure force of the pressing Pad (\*5).
- \*2: When LED within left HOT CUE Mode button is lit with blue color, Channel Level Indicator (CH3) is used in order to check velocity of left Pad 1. When LED within left PAD FX1 Mode button is lit with blue color, Channel Level Indicator (CH3) is used in order to check velocity of left Pad 5. When LED within left SLICER Mode button is lit with blue color, Channel Level Indicator (CH3) is used in order to check velocity of right Pad 1. When LED within left SLICER Mode button is lit with blue color, Channel Level Indicator (CH3) is used in order to check velocity of right Pad 1. When LED within left SAMPLER Mode button is lit with blue color, Channel Level Indicator (CH3) is used in order to check velocity of right Pad 5.
- \*3: When LED within left HOT CUE Mode button is lit with blue color, Channel Level Indicator (CH1) is used in order to check velocity of left Pad 2. When LED within left PAD FX1 Mode button is lit with blue color, Channel Level Indicator (CH1) is used in order to check velocity of left Pad 6. When LED within left SLICER Mode button is lit with blue color, Channel Level Indicator (CH1) is used in order to check velocity of right Pad 2.
- When LED within left SAMPLER Mode button is lit with blue color, Channel Level Indicator (CH1) is used in order to check velocity of right Pad 6. \*4: When LED within left HOT CUE Mode button is lit with blue color, Channel Level Indicator (CH2) is used in order to check velocity of left Pad 3. When LED within left PAD FX1 Mode button is lit with blue color, Channel Level Indicator (CH2) is used in order to check velocity of left Pad 7. When LED within left SLICER Mode button is lit with blue color, Channel Level Indicator (CH2) is used in order to check velocity of right Pad 3.
- When LED within left SAMPLER Mode button is lit with blue color, Channel Level Indicator (CH2) is used in order to check velocity of right Pad 7. \*5: When LED within left HOT CUE Mode button is lit with blue color, Channel Level Indicator (CH4) is used in order to check velocity of left Pad 4.
- When LED within left PAD FX1 Mode button is lit with blue color, Channel Level Indicator (CH4) is used in order to check velocity of left Pad 8. When LED within left SLICER Mode button is lit with blue color, Channel Level Indicator (CH4) is used in order to check velocity of right Pad 4. When LED within left SAMPLER Mode button is lit with blue color, Channel Level Indicator (CH4) is used in order to check velocity of right Pad 8.
  - \*: This controller's velocity has resolution of 128 steps. But, Channel Level Indicator is only 11 steps.
- So, the controller rounds the actual velocity value to 11 steps
- so that indicate behavior of velocity using Channel Level Indicator during Velocity check mode.
  - \*: Lighting of Channel Level Indicator is applied pressure force of not only initial touch (velocity) but also after touch during Velocity check mode.

DDJ-RX

٦

4

26

1

Figure-6 Relation between Pad and Channel Level Indicator during Velocity check mode (Following example is left-side. It is the same for right-side.)

5



7

8

А

В

С

Figure-7 Relation between pressure force and lighting segment



#### A [3] Measurement mode

This controller can measure "Jog dial rotation time" and drift of knobs and faders in Measurement mode.

2

#### [How to enter Measurement mode]

Turn on the power while pressing both left SHIFT button and the DECK 3 button. LEDs within the DECK 3 button, DECK 4 button, and left FX 1-1 ON button are lit

and other LEDs are unlit right after the controller launches in Measurement mode.

#### Note:

D

Е

F

28

1

Even if the controller connects with a computer via USB cable, it does not communicate with the computer during Measurement mode.

B Unused LEDs are unlit during Measurement mode.

#### [How to exit Measurement mode]

In order to exit Measurement mode, turn off the power.

These LEDs are lit right after the controller launches in Measurement mode.

3



2

з



#### [Trigger of which measure Jog dial rotation time]

- 1) In order to measure the rotation time for left-side Jog dial, turn left-side Jog dial clockwise or counterclockwise during Measurement mode.
- In order to measure the rotation time for right-side Jog dial, turn right-side Jog dial clockwise or counterclockwise during Measurement mode.

#### [Posterior condition]

5

When the rotation speed is more than 233.1 rpm, measurement value ("T1" shown in Figure-8) is indicated using Channel Level Indicator and LED within left side SLIP button is unlit (\*1). Indication method by Channel Level Indicator is common to both side.

The measurement unit is "milli second".

When the rotation speed is less than 233.1 rpm, all Channel Level Indicators are unlit and LED within SLIP button of the left side is lit.

DDJ-RX

The specified range is 65 ± 35 msec.

5



\*1: If a place of a measurement value is "0", all segments of the related Channel Level Indicator are unlit. Channel Level Indicator (CH3) is not used in Measurement mode.

8

F

D

Е

#### <sup>A</sup> 2. Check of drift of knobs and faders

Drift of all knobs and faders can be checked using Master level indicator during Measurement mode. In order to select test subject, turn the Rotary selector clockwise or counterclockwise. Then, lighting LED is moved each time the Rotary selector is turned. In order to start or reset observation of drift, press the Rotary selector.

#### [Use of this mode during repair]

В

С

Е

F

· For failure judgment of the rotary VRs

As a guide, amplitude values higher than +4 or lower than -4 may be judged as failure.

2

The VRs can be set to any position during measurement. Possible symptoms are shown below.

- The volume changes arbitrarily.
- Interrupted sound leakage occurs even if the volume is decreased to the minimum at the Master or Booth Monitor.

3

- The MIDI signal is output even if the corresponding VR is not operated.
- For operation check of a rotary VR after replacement

#### Figure-9 Relation between knob/fader and LED

Knobs and faders painted with light blue color are checkable. Number in this figure means order of which select test subject.



з

4

2

#### [Preparation of when check drift]

5

Firstly, Select knob or fader of which check drift. In order to select it, turn the Rotary selector clockwise or counterclockwise. Each time the Rotary selector is turned, lighting LED is moved according to the order shown in Figure-9. Knob or fader of which check drift can be identified by lighting LED.

6

#### [Trigger of which observe drift]

In order to start observation of drift, press the Rotary selector. In order to clear measured result of drift and start new observation of drift, press the Rotary selector again.

The controller stores A/D converted value for knob/fader as "reference value" right after the Rotary selector is pressed. The controller always calculates difference between the "reference value" and latest value during observation. The controller indicates maximum difference value until now as drift.

7

If latest difference value is more than past maximum difference value, the drift value uses the latest difference value. If not, the drift value uses not the latest difference value but past maximum difference value.

#### [Posterior condition]

5

Segments of Master level indicator are lit depending on amount of the drift.

The controller always indicates both negative and positive maximum drift value at the same time until the Rotary selector is pressed next.

 Table-5
 Relation between amount of drift and Master level indicator

| Amount of drift | n                                     | Master level indicator |            |
|-----------------|---------------------------------------|------------------------|------------|
| Amount of unit  | Lighting segments                     | Lighting pattern       | Side       |
| +1              | -18 dB                                | Pattern 1              | Right-side |
| +2              | -18 dB and -6 dB                      | Pattern 2              | Right-side |
| +3              | -18 dB, -6 dB and 0 dB                | Pattern 3              | Right-side |
| +4              | -18 dB, -6 dB, 0 dB and +4 dB         | Pattern 4              | Right-side |
| +5 or more      | -18 dB, -6 dB, 0 dB, +4 dB and "OVER" | Pattern 5              | Right-side |
| -1              | "OVER"                                | Pattern 6              | Left-side  |
| -2              | +4 dB and "OVER"                      | Pattern 7              | Left-side  |
| -3              | 0 dB, +4 dB and "OVER"                | Pattern 8              | Left-side  |
| -4              | -6 dB, 0 dB, +4 dB and "OVER"         | Pattern 9              | Left-side  |
| -5 or less      | -18 dB, -6 dB, 0 dB, +4 dB and "OVER" | Pattern 10             | Left-side  |

Figure-10 Lighting pattern of Master level indicator during drift observation

| MASTER LEVEL      | MASTER LEVEL | MASTER LEVEL      | MASTER LEVEL      | MASTER LEVEL | MASTER LEVEL | MASTER LEVEL | MASTER LEVEL | MASTER LEVEL | MASTER LEVEL |   |
|-------------------|--------------|-------------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|---|
| □ −18 □<br>L dB R | 18           | □ −18 □<br>L dB R | □ −18 □<br>L dB R | L dB R       | L dB R       | L dB R       | L dB R       | L dBR        | -18          | E |
| Pattern 1         | Pattern 2    | Pattern 3         | Pattern 4         | Pattern 5    | Pattern 6    | Pattern 7    | Pattern 8    | Pattern 9    | Pattern 10   |   |

31

8

F

А

в

С

# 7. DISASSEMBLY

#### A Note:

Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

З

4

2

#### **Knobs and Volumes Location**

1



2

з

#### [1] DSP and OUTPUT PCB Assemblies

6

#### Base

(1) Remove the Base by removing the 21 screws. (602-PTP3012-571-HA)

#### Screw tightening order





8

С

F

33

8

7

#### Shield

- (1) Remove the 2 screws. (602-MP3-324-HA)
- (2) Remove the Isolation plate by removing the 2 screws.
   (602-B600-072-HA)
- (3) Remove the 1 screw. (602-CDN88-563)
- (4) Remove the 1 screw. (602-SL24F-099-HA)
- (5) Remove the 1 screw. (602-QMX2BPM-322-HA)
- (6) Remove the Cover by removing the 1 screw. (602-B600-072-HA)



#### • DSP and OUTPUT PCB Assemblies

- (1) Remove the Strain relief bush by removing the 1 screw.
  - (602-BTB3012-446B-HA)
- (2) Remove the 4 screws. (602-MP3-324-HA)
- (3) Remove the Ground terminal and washer.



DDJ-RX

6

Screw tightening order



A (4) Disconnect the 1 flexible cable and 6 connectors.

1

В

- (CN1B, 4B, 5A, 5B, 9, 14A, 14B)
- (5) Remove the Output board with PCB Assemblies by removing the 8 screws. (602-B600-072-HA)
- Note on connection of the flexible cable (CN1B)





2

Tuck the flexible cable between the PC boards.



3

Bottom view



c (6) Disconnect the 2 flexible cables and 3 connectors. (CN2B, 3B, 7, 12, 13)

Screw tightening order (reference information)



#### • When replacing the USB JACK

When the USB JACK in the DSP PCB Assy is to be replaced, the USB fixing bracket (USB fixed plate) must be detached together with it. To detach them, remove the solder from the JACK and USB fixed plate.





Bottom view

4

DDJ-RX

3

2

1

Е

F

#### Diagnosis of DSP PCB Assy

5

When you diagnose DSP PCB Assy in an electricity state, perform it in the following procedures. Extension FFCs to be used: GGP1246 (2 pcs)

6

Step 1:

Perform the disassembly steps up to Step (5) described in [1] DSP, OUTPUT PCB Assy in "DISASSEMBLY." Remove the BAL. PCB Assy.



DSP, OUTPUT PCB Assy

7

BAL. PCB Assy

8

А

В

С

D

Е

F

#### Step 2:

Disconnect the FFCs (1) and (2) and the wires (3) and (4) then turn over the DSP PCB Assy toward the front side.



Step 3: Replace the FFCs 1 and 2 with the ones for diagnosis.



Extension FFC (GGP1246)

for diagnoses



DDJ-RX

6

Step 4: Connect the adapter and cables.

5

#### [2] Jog dial section А

1

#### Note:

в

С

D

Е

F

36

A figure is only left DECK side, but the right side is similar, too.

2

#### • SENSOR PCB Assy

- (1) Remove the Dust-proof slice by removing the
  - 2 screws. (602-PROS2-363-HA)



З

4

#### Jog dial section

(CN501)

the 2 screws.

(602-DJ5500-452-HA)

(1) Remove the 6 solders.

(4) Remove the 1 E ring.

1

- (2) Remove the 1 nut and 1 washer.
- (3) Remove the JW LED base by removing the 2 screws. (602-3113-122-HA)

JW LED base

DDJ-RX

з

2



0 0

Bottom view

(5) Remove the jog dial section.

5

6



7

8

А

в

С

D

Е

#### • LED PCB Assy

 Remove the Windows lens.
 Insert a slim rod in the hole for disassembly in the jog dial section bottom side, and remove it.



- (2) Remove the LED & COVER Assy.
- (3) Remove the JW cover by unhooking the 6 hooks.
- (4) Remove the LED PCB Assy.

#### • When replacing the LED & COVER Assy or WHEEL Assy

When replacement of the LED & COVER Assy is required, the Windows Lens must be detached, because the Windows Lens is attached to the WHEEL Assy with double-back tape, which is attached around the outer periphery of the Windows Lens as a tube, and the LED & COVER Assy is placed in between them. Once the Windows Lens is detached, the double-back tape cannot be reused. The Windows Lens may not be reused either, because it may be scratched, depending on the manner in which it was detached.

When replacement of the WHEEL Assy is required, the Windows Lens must also be detached and may not be reused. Note that when replacement of the following Assys are required, replace them together with the parts mentioned below. Double-back tape is supplied with the WHEEL Assy.

 When the LED & COVER Assy is to be replaced: Double-back tape (TWIN ADHESIVE) (must), Windows Lens (if necessary)

• When the WHEEL Assy is to be replaced: Windows Lens (if necessary)

5





Bottom view

8

F

DDJ-RX

#### <sup>A</sup> [3] Each PCB Assemblies

1

#### Note:

When you remove each PCB Assemblies, it is not necessary to remove a jog dial section.

2

3



#### • CONTROL and MIX PCB Assemblies

(1) Remove the all knobs.

5



6



А

В

D

(2) Remove the Front panel by removing the 33 screws.(602-HP1010K-182-HA)



#### Detachment/Reattachment of the front panel

For replacement of the CONTROL A/B PCB Assy or MIX PCB Assy, the front panel must be detached. The front panel is secured to the Chassis Assy with double-back tape at 4 locations for prevention of lifting. Be fully careful not to deform the front panel when detaching it.

#### About the double-back tape that is used for securing the front panel and the Chassis Assy When detaching the front panel

The front panel and the Chassis Assy are secured with 4 pieces of double-back tape at the locations shown in the photo below. Slowly peel off the tape, taking care that you will not deform the front panel.

#### When reattaching the front panel

① Neatly remove any residue of double-back tape from the back of the front panel and the Chassis Assy.

② Stick 4 pieces (5 mm × 40 mm) of NITTO No. 500 double-back tape to the locations shown in the photo below then remove the paper liner. **Note:** Even if double-back tape was not used in the initial state, be sure to attach double-back tape when reattaching the front panel.



A (3) Remove the 31 nuts and 31 washers.
 (4) Remove the 10 screws.
 (602-2002-077-HA)

1

2



4

З

(5) Remove the 2 screws (602-CDN88-563)

в

С

D

Е

F

- (6) Remove the MIC1 and 2 isolation slices by removing the 2 screws.(602-SL24F-099-HA)
- (7) Remove the Isolation slice by removing the 4 screws.(602-SL24F-099-HA)





- (8) Remove the Ground plate by removing the 4 screws.
- (602-SL24F-099-HA)
- (9) Disconnect the 2 flexible cables and 4 connectors.
   (CN500 x2, CN501 x2, CN502 x2)
- (CN500 X2, CN501 X2, CN502 X2)
- (10) Remove the 2 solders.

1



4

DDJ-RX

3

(11) Remove the MIX PCB Assy by removing the 12 screws.(602-SL24F-099-HA)

6

- (12) Remove the CONTROL PCB Assy A by removing the 17 screws.(602-SL24F-099-HA)
- (13) Remove the CONTROL PCB Assy B by removing the 18 screws.(602-SL24F-099-HA)

#### Screw tightening order

5

The other screws are random order.





8

7

• TOUCH PCB Assy

5

 Remove the 2 TOUCH PCB Assemblies by removing the 6 screws. (602-B600-057-HA)



Bottom view

DDJ-RX

6

8

С

D

Е

F



# 8. EACH SETTING AND ADJUSTMENT 8.1 NECESSARY ITEMS TO BE NOTED

After repairing, be sure to check the version of the firmware, and if it is not the latest one, update to the latest version. Perform the each item when the following parts are replaced.

- IC and PCB Assy storing firmware and utility settings IC24, IC25, DSP PCB Assy
- Confirmation of the version of the firmware
   Updating to the latest version of the firmware
  - Factory reset

· When replaced WHEEL Assy

Confirmation of the specified value by the mode which measures Jog dial rotation time А

В

С

D

Е

F

#### 8.2 UPDATING OF THE FIRMWARE

**Note:** If firmware with a version later than the one installed in this unit has been released on the Pioneer DJ site, that information will be indicated on the screen for rekordbox. (The PC must be connected to the Internet.)

#### What you need for updating

- Update file for DDJ-RX
  - \* When the downloaded zip file is double-clicked, the update file is unzipped. Example) DDJ-RX\_UpdaterApp\_v1.01.jar
- A computer where Java has been installed.
  - \* If Java has not been installed, please download the Java Runtime Environment (JRE) at: https://java.com and install it on your computer.
- **Note:** If you attempt to download Java via an Edge browser in Windows 10, even if "In Windows 10, the Edge browser does not support plug-ins and therefore will not run Java. Switch to a different browser" messages are shown, Ignore the message and click on "Agree and Start Free Download" displayed below the message to start downloading.

#### Updating procedures

5

① Connect the above prepared computer to DDJ-RX via the USB cable included with the product.



② Turn on the power of DDJ-RX while pressing the [SHIFT] button and the [SYNC] button on the LEFT deck ensure the Level meter LEDs flash before releasing your finger from the these buttons.



③ When the update file for DDJ-RX (DDJ-RX\_UpdaterApp\_vx.xx.jar) is activated, the following dialogue is displayed. Click the [Start] button.

|                  | Updater           | Program   |       |
|------------------|-------------------|-----------|-------|
| dates the versi  | on of your DDJ-RX | firmware. |       |
| Current Version: | Ver. 1.00         |           |       |
| Jpdate Version:  | Ver. 1.01         |           |       |
|                  |                   |           |       |
|                  |                   |           |       |
|                  | 1                 |           |       |
|                  |                   | Close     | Start |

DDJ-RX\_UpdaterApp\_v1.01.jar

4 The update of the firmware starts.



(5) When the firmware update process is complete, click the [OK] button.

| 000              | Updater Progra            | ım |
|------------------|---------------------------|----|
| The update of yo | our version of the DDJ-RX |    |
| firmware is now  | completed.                |    |
|                  |                           |    |
|                  |                           |    |
|                  |                           | Ok |

Please note that if you fail to update, turn on the power of DDJ-RX again and start from Step ③ of the above Updating Procedures.

DDJ-RX

#### A How to check the firmware version

#### For Windows 7

1

ASIO driver exclusively for DDJ-RX is required to be installed.

From the [Start menu], click [All the programs]  $\rightarrow$  [Pioneer]  $\rightarrow$  [DDJ\_RX]  $\rightarrow$  [DDJ\_RX Version Display Utility] icon You can also display the firmware version, by selecting the Start menu's Run command then entering C:\Program Files\Pioneer\DDJ\_RX ASIO\DDJ\_RX\_Version.exe in the Open box.

3

4

#### For Windows 8/Windows 8.1

From [Apps view], click [Pioneer]  $\rightarrow$  [DDJ\_RX Version Display Utility] icon.

2

#### For Windows 10

Click [All apps]  $\rightarrow$  [Pioneer]  $\rightarrow$  [DDJ\_RX Version Display Utility] icon after left-clicking the Windows start button.

| В | DDJ_RX_Version.exe   |
|---|--|
|   | DDJ_RX Version   |
| • | Driver<br>Windows Driver Pack Ver1.000<br>Firmware<br>DDJ-RX Ver1.01 |
| с | ОК   |

#### 

#### For Mac

Open the Apple menu while pressing the option key, then select "System Profiler."

| <b>Finder</b> File Edit View |
|------------------------------|
| System Profiler              |
| Mac OS X Software            |
| System Preferences           |
| Recent Items                 |
| Force Quit Finder て企業の       |

Select the [USB] from the [Hardware] to display the name of the controller. Select the controller to display the firmware version.

|   | MacBook Pro  |
|---|--|
| ▼ Hardware  | USB Device Tree  |
| ATA   | VUSB 3.0 HI-Speed Bus  |
| Audio   | DDJ-RX   |
| Bluetooth   | USB 3.0 SuperSpeed Bus   |
| Camera  | VUSB HI-Speed Bus  |
| Card Reader   | ▼ Hub  |
| Diagnostics   | FaceTime HD Camera (Built-in)  |
| Disc Burning  | VUSB Hi-Speed Bus  |
| Ethernet Cards  | ▼Hub   |
| Fibre Channel   | ▼ Hub  |
| FireWire  | Apple Internal Keyboard / Trackpad   |
| Graphics/Displays<br>Hardware RAID  | DDJ-RX:  |
| Memory  | Product ID: 0x0002   |
| NVMExpress<br>PCI   | Version: 1.01  |
| Parallel SCSI<br>Power<br>Printers<br>SAS<br>SATA/SATA Express<br>SPI<br>Storage<br>Thunderbolt | Speed: Up to 12 Min/sec Manufacturer: Pioner DJ Leastino ID: 0.14100000 / 1 Current Availation (A): 500 Current Required (mA): 500 |
| USB   |  |
| ▼ Network   |  |
| Firewall  |  |
| Locations   |  |
| Volumos   |  |
| MAMAN   |  |

DDJ-RX

2

3

4

.

# 8.3 ITEMS FOR WHICH USER SETTINGS ARE AVAILABLE

This unit is provided with user settable items, as shown below.

Although no serious operational problems occur even if data for such user settable items are cleared during repair, it is recommended that you take note of those settings before starting repair.

Use the Check Sheet, to which you can transcribe the settings.

5

If the corresponding part or board Assy is replaced for repair, change the user resettable settings to those noted on the Check Sheet before starting repair. If resetting is not possible, when returning the repaired product, be sure to tell the customer that the Utility settings have been cleared and will have to be reset, as required.

|           | Item for Whic<br>Setting is Av           | h User's<br>/ailable | Setting Value (The factory default settings are indicated in bold.)<br>Indication method   | Part Name              | Content to<br>be Stored       |   |
|-----------|--|----------------------|--|------------------------|-------------------------------|---|
|           | MIDI controller se                       | etting               | Automatically switching modes, according to whether or not rekordbox is running /<br>Forced operations to be generally expected from the MIDI controller, regardless<br>of running or not running of rekordbox |                        |                               |   |
|           |  |                      | Right Deck HOT CUE mode button lit / PAD FX1 mode button lit   |                        |                               | 1 |
|           | Channel fader sta                        | art setting          | function abled / function disabled   |                        |                               |   |
|           |  | 0                    | Left Deck Effect parameter: 1 button lit / 2 button lit  |                        |                               |   |
|           | Crossfader start                         | setting              | function abled / function disabled   |                        |                               |   |
|           |  | -                    | Right Deck Effect parameter: 1 button lit / 2 button lit   |                        |                               |   |
|           | Attenuator level s                       | setting              | 0 dB (without attenuation) / -3 dB / -6 dB   |                        |                               |   |
|           | for the Master ou                        | tput                 | Left Deck HOT CUE mode button lit / PAD FX1 mode button lit / SLICER mode button lit   |                        |                               |   |
|           | Flashing setting i                       | n Slip mode          | Flashing enable / Flashing disenable   |                        |                               |   |
|           | · ··································     |                      | Left Deck SLIP button lit / SLIP button unlit  |                        |                               |   |
|           | Light/flash setting<br>of the SLIP butto | )<br>n               | The SLIP button to start flashing when Slip mode is entered / The SLIP button to light when Slip mode is entered and flash while normal playback is being performed in the background                          |                        |                               |   |
|           |  |                      | Right Deck SLIP button lit / SLIP button unlit   |                        |                               |   |
|           | Demo mode setti                          | ng                   | Time required for start of Demo mode: One minute /5 minutes /<br>10 minutes of no operation / Demo mode disabled   |                        |                               |   |
| ¢)        |  |                      | Right Deck LOOP 2X button lit / LOOP IN button lit / LOOP OUT button lit / LOOP 1/2X button lit  |                        |                               |   |
| pou       | SAMPLER                                  | Velocity             | Curve 1 / Curve 2 / Curve 3 / Curve 4  |                        |                               |   |
| Utility r | VELOCITY<br>mode                         | curve<br>setting     | Left Deck LOOP 1/2X button lit / LOOP 2X button lit / LOOP IN button lit / LOOP OUT button lit   | IC24<br>(DSP PCB Assy) | Utility mode<br>setting value |   |
|           | Cut lag setting fo                       | r crossfader         | 0 (0.5 mm) / 1 (0.6 mm) to 5 (1 mm) to 51 (5.6 mm) / 52 (5.7 mm)   |                        |                               |   |
|           |  |                      | The number of lit segments of the [CH3] channel level indicator denotes a value in tens, and the number of lit segments of the [CH1] channel level indicator denotes a value in units.                         |                        |                               |   |
|           | Microphone outp<br>to Booth monitor      | ut setting           | Microphone sound to be output from the [BOOTH OUT] connector /<br>Microphone sound NOT to be output from the [BOOTH OUT] connector   | -                      |                               |   |
|           |  |                      | Right Deck SAMPLER mode button lit / SAMPLER mode button unlit   |                        |                               |   |
|           | Illuminations<br>mode setting            | White illuminations  | Decks 1 and 2: Pattern 1 / Pattern 2 / Pattern 3 / Pattern 4 / Pattern 5,<br>Decks 3 and 4: Pattern 1 / Pattern 2 / Pattern 3 / Pattern 4 / Pattern 5  | -                      |                               |   |
|           | for jog dial                             |                      | Left Deck Performance pad: 1 lit / 2 lit / 3 lit / 4 lit / 5 lit,<br>Right Deck Performance pad: 1 lit / 2 lit / 3 lit / 4 lit / 5 lit   |                        |                               |   |
|           |  | Red<br>illuminations | The indicator lights when the sound of the deck being operated can be output as the master sound. (On Air display) / the red illuminations to light or flash in the same way as the SLIP button                |                        |                               |   |
|           |  |                      | Left Deck Performance pad: 6 lit / 7 lit   |                        |                               |   |
|           | Setting for backs                        | pin length           | Backspin length: Short / Normal / Long   | 1                      |                               |   |
|           |  |                      | Right Deck Performance pad: 6 lit / 7 lit / 8 lit  | ]                      |                               |   |
|           | High-pass filter o                       | peration             | Enable / disable the high-pass filter for the microphone sound   | ]                      |                               |   |
|           | setting for microp                       | hone sound           | Left and Right Deck BEAT < button lit / BEAT < button unlit  | ]                      |                               |   |
|           | MIDI message or                          | peration             | Enable / disable optimization of MIDI messages for the crossfader  | ]                      |                               |   |
|           | setting for crossfa                      | ader                 | Left Deck MASTER TEMPO button lit / MASTER TEMPO button unlit  | ]                      |                               |   |
| Jo        | g dial touch senso                       | r                    | -17 / -16 <b>0</b> +16 / +17 (35 steps)  |                        | Jog dial touch sensor         |   |
| se        | nsitivity adjustmen                      | ıt                   | The LEDs at the center of the jog dial: All unlit (-17) to half lit (0) to all lit (+17)   |                        | sensitivity adjustment        |   |

F

DDJ-RX

6

45

8

8

А

| A | Each of the above items can be set in Utility mode or Jog Dial Touch Sensor Sensitivity Adjustment mode.                    |
|---|---|
|   | To enter Utility mode, disconnect the USB cable from the PC then press the STANDBY/ON switch on the rear panel of this unit |
|   | to set it to Standby. Then while holding the SHIFT and PLAY/PAUSE buttons on the left deck pressed, press the STANDBY/ON    |
|   | switch to set it to ON.   |

4

2

To start this unit in Jog Dial Touch Sensor Sensitivity Adjustment mode, connect the PC and this unit, using the supplied USB cable, then while holding the SHIFT button pressed, press the DECK1 or DECK3 button for the left jog dial or press the DECK2 or DECK4 button for the right jog dial.

DECK2 or DECK4 button for the right jog dial. (For details, refer to the operating instructions of the unit.)

1

в

Е

F

46

1

#### Sheet for confirmation of the user setting

|   | MI              | DI contro               | ller setting              |                    | Channel fa                 | ider start s               | etting             |                  |                  | Crossfa               | der start set | ting                 |                 |                     |            |
|---|-----------------|-------------------------|---------------------------|--------------------|----------------------------|----------------------------|--------------------|------------------|------------------|-----------------------|---------------|----------------------|-----------------|---------------------|------------|
|   | Auto            | )                       | Compulsion                | E                  | Enable                     | Dis                        | senable            | •                | E                | nable                 | Dis           | senable              |                 |                     |            |
|   |                 |                         |                           |                    |                            |                            |                    |                  |                  |                       |               |                      |                 |                     | _          |
|   | Atten<br>for th | uator leve<br>ne Maste  | el setting<br>r output    | Flashin<br>in Slij | g setting<br>o mode        | Light<br>of the            | /flash s<br>e SLIP | etting<br>button | Demo mode settir |                       |               |                      | g               |                     |            |
|   | 0 dB            | -3 dB                   | -6 dB                     | Enable             | Disenab                    | le Flashi                  | ng                 | Lit              | 1                | I min                 | 5 min         | 10 mir               | n D             | isenable            |            |
|   |                 | Velocity                | / curve setting           |                    |                            | Cut                        | lag sett           | ting for c       | rossf            | ader                  |               | Microp<br>setting to | ohone<br>o Boot | output<br>h monitor |            |
| c | Curve 1         | Curve                   | 2 Curve 3                 | Curve 4            |                            | 0                          | 1 t                | to 5 to 51       | 1                |                       | 52            | Outpu                | it No           | on output           |            |
| Ŭ |                 |                         |                           |                    | Illum                      | inations m                 | odo sol            | tting for i      | og di            |                       |               |                      |                 |                     |            |
|   |                 | White ill               | uminations (De            | ck 1 and 2)        | mann                       |                            | W                  | /hite illun      | ninati           | ions (De              | ck 3 and 4)   |                      |                 | Red illum           | inations   |
|   | Pattern 1       | Pattern                 | 2 Pattern 3               | Pattern 4          | Pattern                    | 5 Patter                   | n 1   P            | attern 2         | Pa               | ittern 3              | Pattern 4     | Pattern              | 5 On            | air display         | SLIP state |
|   |                 |                         |                           |                    |                            |                            |                    |                  |                  |                       |               |                      |                 |                     |            |
|   | Setting         | for back                | spin length               | High<br>setting fo | n-pass filte<br>r micropho | r operatior<br>one 1 input | า<br>sound         | settin           | High<br>g for    | -pass filf<br>microph | er operation  | n<br>sound           |                 |                     |            |
|   | Short           | Norma                   | al Long                   | Enat               | ble                        | Disena                     | ıble               | E                | Enab             | le                    | Disena        | ble                  |                 |                     |            |
|   |                 |                         |                           |                    |                            |                            |                    |                  |                  |                       |               |                      |                 |                     |            |
|   | MIDI            | l messag<br>tting for c | e operation<br>crossfader |                    |                            |                            |                    |                  |                  |                       |               |                      |                 |                     |            |
| D | Enab            | le                      | Disenable                 |                    |                            |                            |                    |                  |                  |                       |               |                      |                 |                     |            |
|   |                 |                         |                           | 1                  |                            |                            |                    |                  |                  |                       |               |                      |                 |                     |            |

|   | Jog dial touch sensor  |  |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|------------------------|--|--|--|--|--|--|--|--|--|--|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|   | sensitivity adjustment |  |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -17 -16 -15 -14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +10+11+12+13+14+15+10 |                        |  |  |  |  |  |  |  |  |  |  | +16 | +17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                        |  |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

DDJ-RX

3

4

# 9. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to ▼ mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

#### 9.1 PACKINGSECTION

5



6

8

8

А

В

С

D

Е

F

#### (1) PACKING SECTION PARTS LIST

1

|   | <u>Mark N</u>           | lo. | <b>Description</b>                            | Part No.               | <u>Mark No.</u> | <b>Description</b>     | Part No.               |
|---|-------------------------|-----|---|------------------------|-----------------|------------------------|------------------------|
|   |                         | 1   | USB Cable (L = 1500 mm)                       | 408-SUB-132            | 14              | Operating Instructions | See Contrast table (2) |
| A | ⚠                       | 2   | AC Adapter                                    | 411-SXMK3-957          |                 | (Quick Start Guide)    |                        |
|   | $\triangle$             | 3   | Power Plug                                    | See Contrast table (2) | 15              | Handle                 | 100-SX-3017            |
|   | $\triangle$             | 4   | Power Plug                                    | See Contrast table (2) | 16              | Handle Base            | 100-SX-3018            |
|   | $\triangle$             | 5   | Power Plug                                    | See Contrast table (2) | 17              | Polyfoam A             | 506-SX2-676AA          |
|   | ⚠                       | 6   | Power Plug                                    | See Contrast table (2) | 18              | Polyfoam B             | 506-SX2-676BA          |
|   | $\overline{\mathbb{A}}$ | 7   | Power Plug                                    | See Contrast table (2) | 19              | Pasterboard            | 507-S1-3372-HA         |
|   | _                       | 8   | ••••  |                        | 20              | Soft Bag               | 509-DDJSX-320-HA       |
|   | $\triangle$             | 9   | Power Plug                                    | See Contrast table (2) | 21              | Gift Box               | See Contrast table (2) |
|   | $\triangle$             | 10  | Power Plug                                    | See Contrast table (2) |                 |                        |                        |
| В |                         | 11  | Operating Instructions<br>(Quick Start Guide) | See Contrast table (2) |                 |                        |                        |
|   |                         | 12  | Operating Instructions<br>(Quick Start Guide) | See Contrast table (2) |                 |                        |                        |
|   |                         | 13  | Operating Instructions<br>(Quick Start Guide) | See Contrast table (2) |                 |                        |                        |

3

4

#### c (2) CONTRAST TABLE

DDJ-RX/FJLPXEG, SVYXEG, UXEGCB and AXEG are constructed the same except for the following:

2

|   | Mark        | No. | Symbol and Description  | DDJ-RX/FJLPXEG    | DDJ-RX/SVYXEG     | DDJ-RX/UXEGCB   | DDJ-RX/AXEG     |
|---|-------------|-----|---|-------------------|-------------------|-----------------|-----------------|
|   | $\triangle$ | 3   | Power Plug  | 420-DJM250-407A   | 420-DJM250-407A   | Not used        | Not used        |
|   | $\triangle$ | 4   | Power Plug  | 420-DJM250-362-HA | 420-DJM250-362-HA | Not used        | Not used        |
|   | $\triangle$ | 5   | Power Plug  | 420-DJM250-363-HA | Not used          | Not used        | Not used        |
|   | $\triangle$ | 6   | Power Plug  | 420-DJM250-364A   | Not used          | Not used        | Not used        |
|   |             | 7   | Power Plug  | 420-DJM250-409A   | Not used          | Not used        | Not used        |
|   |             |     |   |                   |                   |                 |                 |
|   |             | 9   | Power Plug  | Not used          | Not used          | 420-DJM250-361  | Not used        |
|   |             | 10  | Power Plug  | Not used          | Not used          | Not used        | 420-DJM250-408  |
| D |             | 11  | Operating Instructions<br>(Quick Start Guide)(En, Es, Jp)                                 | 502-SXMK3F-3548   | Not used          | Not used        | Not used        |
|   |             | 12  | Operating Instructions<br>(Quick Start Guide)   | Not used          | 502-SXMK3B-3546   | Not used        | Not used        |
|   |             | 13  | (En, De, Fr, It, NI, Es, Ru, Pt)<br>Operating Instructions<br>(Quick Start Guide)(En, Fr) | Not used          | Not used          | 502-SXMK3A-3545 | Not used        |
| - |             | 14  | Operating Instructions<br>(Quick Start Guide)(Zhcn)                                       | Not used          | Not used          | Not used        | 502-SXMK3D-3547 |
|   |             | 21  | Gift Box  | 507-RXF-3370      | 507-RXB-3370      | 507-RXA-3370    | 507-RXD-3370    |

Е

F

48

1

DDJ-RX

2

3



СЛ

o

œ

б

ω

#### EXTERIOR SECTION PARTS LIST

|   | <u>Mark No.</u> | Description                    | Part No.           | <u>Mark No.</u> | <b>Description</b>    | Part No.            |
|---|-----------------|--------------------------------|--------------------|-----------------|-----------------------|---------------------|
|   | 1               | CR FADER PCB Assy              | 704-EN1000-9788    | 46              | Little Round Button   | 100-S1-2991-HA      |
| А | 2               | SENSOR PCB Assy                | 704-PDJ33-A007-HA  | 47              | 2 Key Button          | 100-S1-2992S-HA     |
|   | 3               | 1MIX PCB Assy                  | 704-SXMK3-B255     | 48              | ON Button             | 100-S1-2993-HA      |
|   | 4               | 2Spacer                        | 612-SX2-450        | 49              | 1, 2 Button           | 100-S1-2994-HA      |
|   | 5               | CONTROL PCB Assy A             | 704-SXMK3-B252     | 50              | PLAY SYNC Button      | 100-S1-2995-HA      |
|   | 6               | CONTROL PCB Assy B             | 704-SXMK3-B253     | 51              | TEMPO Lens            | 100-S1-2998-HA      |
|   | 7               | 1FRONT PCB Assy                | 704-SXMK3-B254     | 52              | Fixed Plate           | 100-S1-2999-HA      |
|   | 8               | 2Spacer                        | 612-SX2-459        | 53              | Strain Relief Bush    | 100-S1-3000-HA      |
|   | 9               | TOUCH PCB Assy                 | 704-S1MK2-A957     | 54              | VR Cover              | 100-S1-3002-HA      |
|   | 10              | TRANSFER PCB Assy              | 704-SXMK3-B256     | 55              | CF Button             | 100-S1-3003-HA      |
| В | 11              | 1BAL PCB & FIXED P. Assy       | 704-S1MK2-A986     | 56              | Button                | 100-S1-3004-HA      |
|   | 12              | 2BAL. PCB Assy                 | 704-S1MK2-A956     | 57              | Speed Push Button     | 100-S1-3005-HA      |
|   | 13              | 2XLR Fixed Plate               | 300-S1-2048-HA     | 58              | FX Rotate Knob        | 100-S1-3006-HA      |
|   | 14              | 2Nut + Gear Washer             | 601-R2150-033-HA   | 59              | BEAT Rotate Knob      | 100-S1-3007-HA      |
| _ | 15              | 2Screw                         | 602-HMD510B-198-HA | 60              | GAIN Rotate Knob      | 100-S1-3008-HA      |
|   | 16              | 1I/O PCB & FIXED PLATE Assy    | 704-SXMK3-B272     | 61              | FILTER Rotate Knob    | 100-SX3-3009        |
|   | 17              | 2I/O PCB Assy Service          | 704-SXMK3-B332     | 62              | BROWSER Rotate Knob   | 100-S1-3010-HA      |
|   | 18              | 3DSP PCB Assy                  | 704-SXMK3-B271     | 63              | DECK 2 Button         | 100-S1A-2990-HA     |
|   | 19              | 3Cushion                       | 612-SX2-362        | 64              | IN/OUT Button         | 100-S1A-2994-HA     |
| С | 20              | 3Sponge                        | 612-DJFA-373-HA    | 65              | DECK 3 Button         | 100-S1B-2990-HA     |
|   | 21              | 2OUTPUT PCB Assy               | 704-S1MK2-A958     | 66              | CUE Button            | 100-S1B-2993-HA     |
|   | 22              | 2Output Board                  | 300-S1-2044A       | 67              | 2X Button             | 100-S1B-2994-HA     |
|   | 23              | 2Sponge                        | 612-F300-358-HA    | 68              | DECK 4 Button         | 100-S1C-2990-HA     |
|   | 24              | 2Screw                         | 602-HP1010K-181-HA | 69              | MASTER CUE Button     | 100-SX3-2993        |
|   | 25              | 2Screw                         | 602-MK7-131-HA     | 70              | Button                | 100-S1C-2994-HA     |
|   | 26              | 2Screw                         | 602-SA12-378       | 71              | LOAD Button           | 100-S1D-2993-HA     |
|   | 27              | 1LED & COVER Assy              | 704-S1MK2-A961     | 72              | AUTO BEAT LOOP Button | 100-SX3A-2993       |
|   | 28              | 2LED PCB Assy                  | 704-S1MK2-A959     | 73              | Rectangular Button    | 100-SX-2989S-HA     |
| D | 29              | 1Wheel Assy                    | 703-SX3-1383       | 74              | HOT CUE/ROLL Button   | 100-SX2-3156        |
|   | 30              | 2Encoder Plate                 | 300-PROS2-848-HA   | 75              | 1, 2 Button           | 100-SX3-3256        |
|   | 31              | 2Encoder Fixed Plate           | 300-PROS2-851-HA   | 76              | JW Ring               | 100-S1-3001-HA      |
|   | 32              | 2Screw                         | 602-PROS2-363-HA   | 77              | LM Lens               | 100-SXMK2-3154      |
|   | 33              | 2Clip                          | 603-S1-395-HA      | 78              | MASTER Lens           | 100-SXMK2-3155      |
|   | 34              | 2Twin Adhesive                 | 501-S1-2526-HA     | 79              | Push Button 1         | 100-SXMK2-3157      |
|   | 35              | 1Clip & Lead Wire Assy         | 704-S1-A586        | 80              | Sponge                | 612-S1-461-HA       |
|   | 36              | 21P Lead Wire                  | 406-S1-1231-HA     | 81              | Round Knob            | 100-SXMK2-3160A     |
|   | 37              | 2Clip (1 mm)                   | 603-S1-394-HA      | 82              | Ground Terminal       | 200-S1-665-HA       |
| Е | 38              | PAD & FSR Assy                 | 704-S1MK2-A962     | 83              | Fixed Cover           | 300-33-1918-HA      |
|   | 39              | Chassis Assy                   | 705-SXMK3-1630     | 84              | Sensor Fixed Plate    | 300-HDJ9800-981-HA  |
|   | 40              | Top Panel                      | 300-SX3-2043B      | 85              | Winding Fixture       | 300-HM510B-224-HA   |
|   | 41              | 1P Lead Wire (L = 55 mm)       | 406-S1MK2-1301     | 86              | Dust-Proof Slice      | 501-HDJ9800-1648-HA |
|   | 42              | 1P Ground Wire (L = 40 mm)     | 406-8001-833       | 87              | CF Fixed Plate        | 300-S1-2045-HA      |
|   | 43              | DECK 1 Button                  | 100-S1-2990-HA     | 88              | CH Fader Fixed Plate  | 300-S1-2046-HA      |
|   | 44              | 37P 1.0 FFC Cable (L = 190 mm) | 406-S1MK2-1294     | 89              | JW LED Base           | 300-S1-2049A-HA     |
|   | 45              | Foot Mat                       | 612-S1-445-HA      | 90              | Ground Plate          | 300-S1-2051-HA      |

DDJ-RX

F

|                 | 5                              | 6                   | - | 7 | - | 8 | - |
|-----------------|--------------------------------|---------------------|---|---|---|---|---|
| <u>Mark No.</u> | Description                    | Part No.            |   |   |   |   |   |
| 91              | Cable Tie                      | 504-S100-004-HA     |   |   |   |   |   |
| 92              | SHIFT Button                   | 100-S1-2989-HA      |   |   |   |   |   |
| 93              | Cover                          | 300-S1-2059-HA      |   |   |   |   | А |
| 94              | Isolation Plate                | 300-S1-2060-HA      |   |   |   |   |   |
| 95              | Velocity Soft Knob             | 604-SXMK2-651       |   |   |   |   |   |
| 96              | Sponge                         | 612-DJFA-373-HA     |   |   |   |   |   |
| 97              | Windows Lens                   | 100-SX3-2985        |   |   |   |   | _ |
| 98              | Isolation Slice                | 501-S1-2542A        |   |   |   |   |   |
| 99              | MIC1 Isolation Slice           | 501-SX2-2645        |   |   |   |   |   |
| 100             | MIC2 Isolation Slice           | 501-SX2-2646        |   |   |   |   |   |
| 101             | CF Panel & Cushion Assy        | 703-SX3-1396        |   |   |   |   |   |
| 102             | Power Knob                     | 100-HDJ2000-1641-HA |   |   |   |   | В |
| 103             | HOT CUE/PAD FX1 Button         | 100-SX3-3156        |   |   |   |   |   |
| 104             | Base                           | 100-SX3-3158        |   |   |   |   |   |
| 105             | Round Knob                     | 100-SX3-3160A       |   |   |   |   |   |
| 106             | Button                         | 100-SX3-3254        |   |   |   |   | - |
| 107             | LITTLE Button                  | 100-SX3-3255        |   |   |   |   |   |
| 108             | CEX Button                     | 100-SX3-3257        |   |   |   |   |   |
| 109             | SYNC Button                    | 100-SX3-3258        |   |   |   |   |   |
| 110             | CUE Button                     | 100-SX3-3259        |   |   |   |   |   |
| 110             |                                |                     |   |   |   |   | 0 |
| 111             | PITCH Button                   | 100-SX3A-3258       |   |   |   |   |   |
| 112             | FILER Button                   | 100-SX3A-3259       |   |   |   |   |   |
| 113             | CH Fixed Plate                 | 300-SX3-2251        |   |   |   |   |   |
| 114             | 30P 1.0 FFC Cable (L = 120 mm) | 406-S1MK2-1295      |   |   |   |   |   |
| 115             | ••••                           |                     |   |   |   |   |   |
| 116             | Washer                         | 606-S1-007-HA       |   |   |   |   | - |
| 117             | Washer                         | 606-S1-261-HA       |   |   |   |   |   |
| 118             | Washer                         | 606-DDJLE-260-HA    |   |   |   |   |   |
| 119             | E Type Wsher                   | 606-S1-262-HA       |   |   |   |   |   |
| 120             | Nut                            | 601-A100-004-HA     |   |   |   |   | D |
| 121             | Nut                            | 601-MM1000-029-HA   |   |   |   |   |   |
| 122             | Screw                          | 602-PTP3012-571-HA  |   |   |   |   |   |
| 123             | Screw                          | 602-QMX2BPM-322-HA  |   |   |   |   |   |
| 124             | Screw                          | 602-SA12-414-HA     |   |   |   |   | _ |
| 125             | Screw                          | 602-SL24F-099-HA    |   |   |   |   |   |
| 126             | Screw                          | 602-CDN88-563       |   |   |   |   |   |
| 127             | Screw                          | 602-2002-077-HA     |   |   |   |   |   |
| 128             | Screw                          | 602-3113-122-HA     |   |   |   |   |   |
| 129             | Screw                          | 602-A700-494-HA     |   |   |   |   | E |
| 130             | Screw                          | 602-B600-057-HA     |   |   |   |   |   |
| 131             | Screw                          | 602-B600-072-HA     |   |   |   |   |   |
| 132             | Screw                          | 602-BTB3012-446B-HA |   |   |   |   |   |
| 133             | Screw                          | 602-CTF3010-698B-HA |   |   |   |   | - |
| 134             | Screw                          | 602-DJ5500-452-HA   |   |   |   |   |   |
| 135             | Screw                          | 602-HP1010K-182-HA  |   |   |   |   |   |
| 136             | Screw                          | 602-MP3-324-HA      |   |   |   |   |   |
| 137             | Screw                          | 602-PROS2-363-HA    |   |   |   |   |   |
| 138             | Screw                          | 602-MK9-505         |   |   |   |   | F |
| 139             | Screw                          | 602-CTP3050-774B    |   |   |   |   |   |
| 103             | 20.011                         |                     |   |   |   |   |   |

5 6 DDJ-RX