Pioneer DJ

Service Manual

ORDER NO.
RRV4629

DJ Controller

DDJ-RZ

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

Model	Type	Power Requirement	Remarks
DDJ-RZ	UXJCB	AC 110 V to 240 V	
DDJ-RZ	LSYXJ	AC 110 V to 240 V	
DDJ-RZ	XJCN	AC 220 V	

This product is based on the DDJ-SZ, and some operation buttons are added to provide optimal operations as a dedicated control unit for "rekordbox dj," an application having DJ play functions.
In this service manual, any difference from the DDJ-SZ is described in each corresponding section.
For matters not described in this manual, refer to the service manual of the DDJ-SZ.

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

Model No.	Order No.	Remarks
DDJ-SZ/UXJCB	RRV4510	DDJ-SZ/UXJCB
DDJ-RZ/UXJCB	RRV4633	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM, PCB PARTS LIST

For SPECIFICATIONS and PANEL FACILITIES, refer to the operating instructions.

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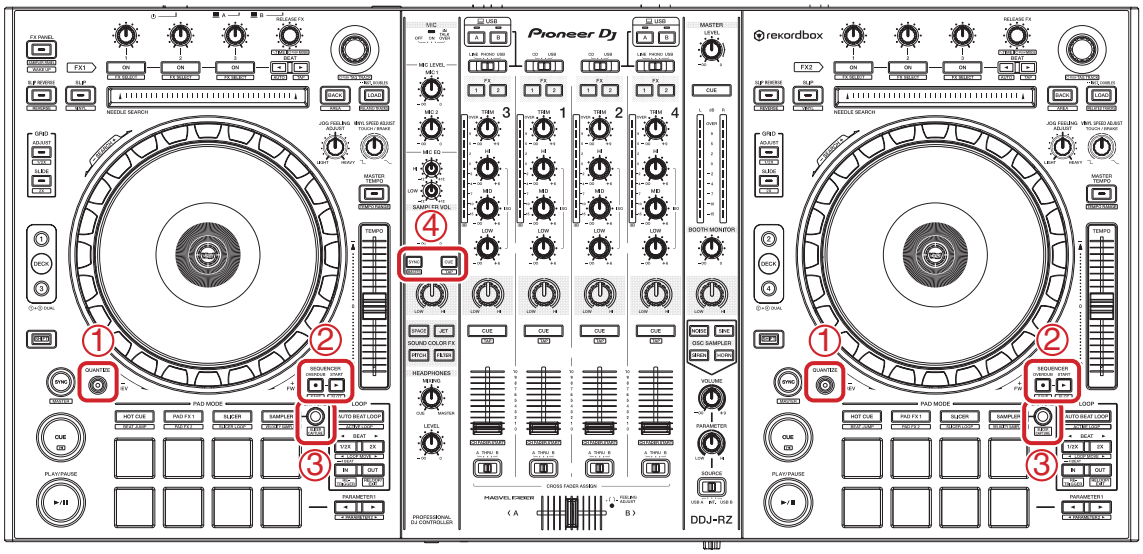
1. SERVICE PRECAUTIONS

[1.1 NOTES ON SOLDERING], [1.2 NOTES ON REPLACING], [1.3 SERVICE NOTICE], refer to Service Manual for DDJ-SZ.

1.4 DIFFERENCES BETWEEN THE DDJ-RZ and DDJ-SZ

The differences in the operating elements on the control panel of the DDJ-RZ from those of the DDJ-SZ are as follows:



① QUANTIZE buttons added
② SEQUENCER START/OVERDUB buttons added
③ CAPTURE buttons added
④ SAMPLER SYNC/CUE buttons added

Along with the addition of the buttons, the following Assys have also been added:
The QUAR and QUAL Assys for the QUANTIZE button (①), and the SEQR and SEQL Assys for the SEQUENCER and CAPTURE buttons (② and ③)

3. BASIC ITEMS FOR SERVICE

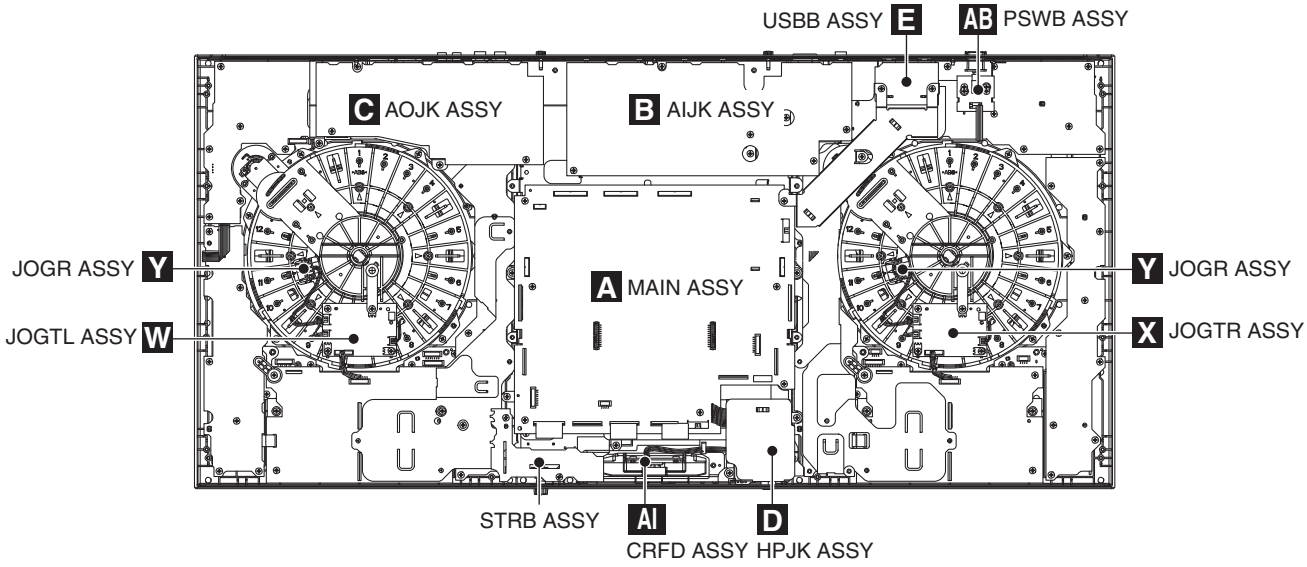
[3.2 JIGS LIST], refer to Service Manual for DDJ-SZ.

3.1 CHECK POINTS AFTER SERVICING

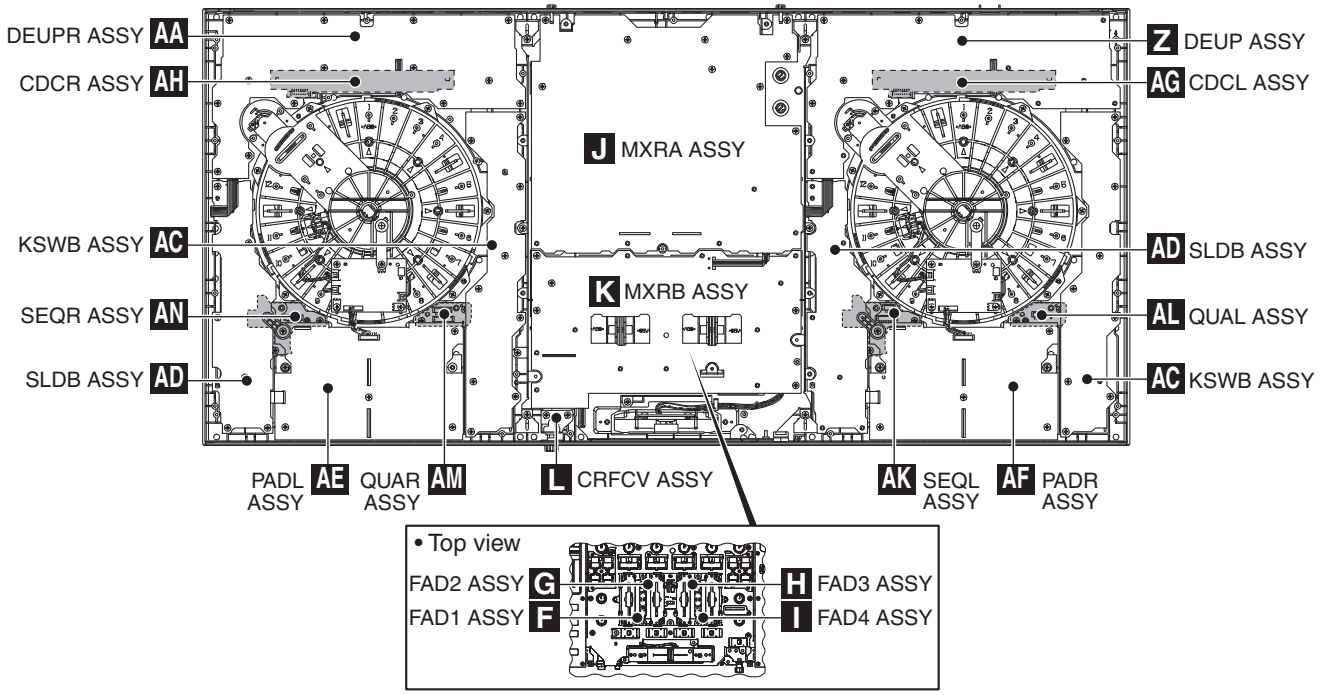
The procedures and content for the DDJ-RZ are the same as those for the base model (DDJ-SZ).
For details, refer to the service manual of the DDJ-SZ.
In such a case, the software name "Serato DJ" should be read as "rekordbox dj."

3.3 PCB LOCATIONS

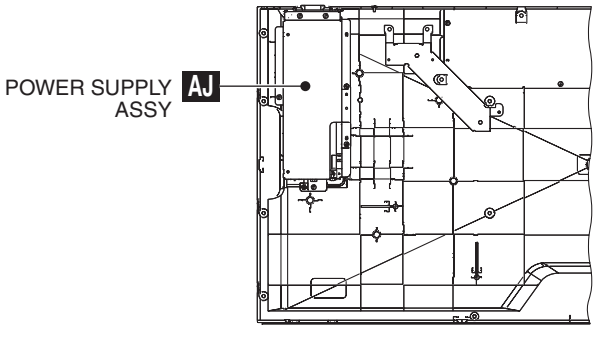
• First layer (bottom view)



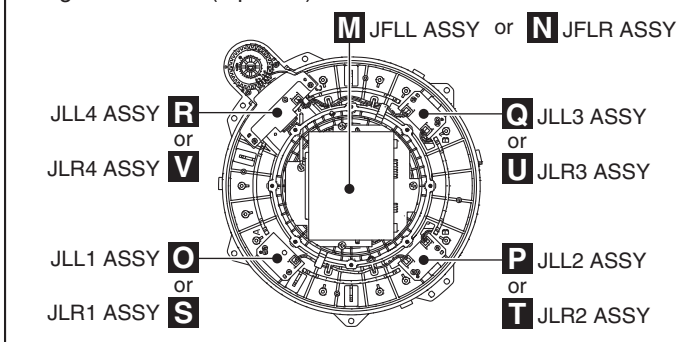
• Second layer (bottom view)



• Chassis Section (top view)



• Jog dial Section (top view)



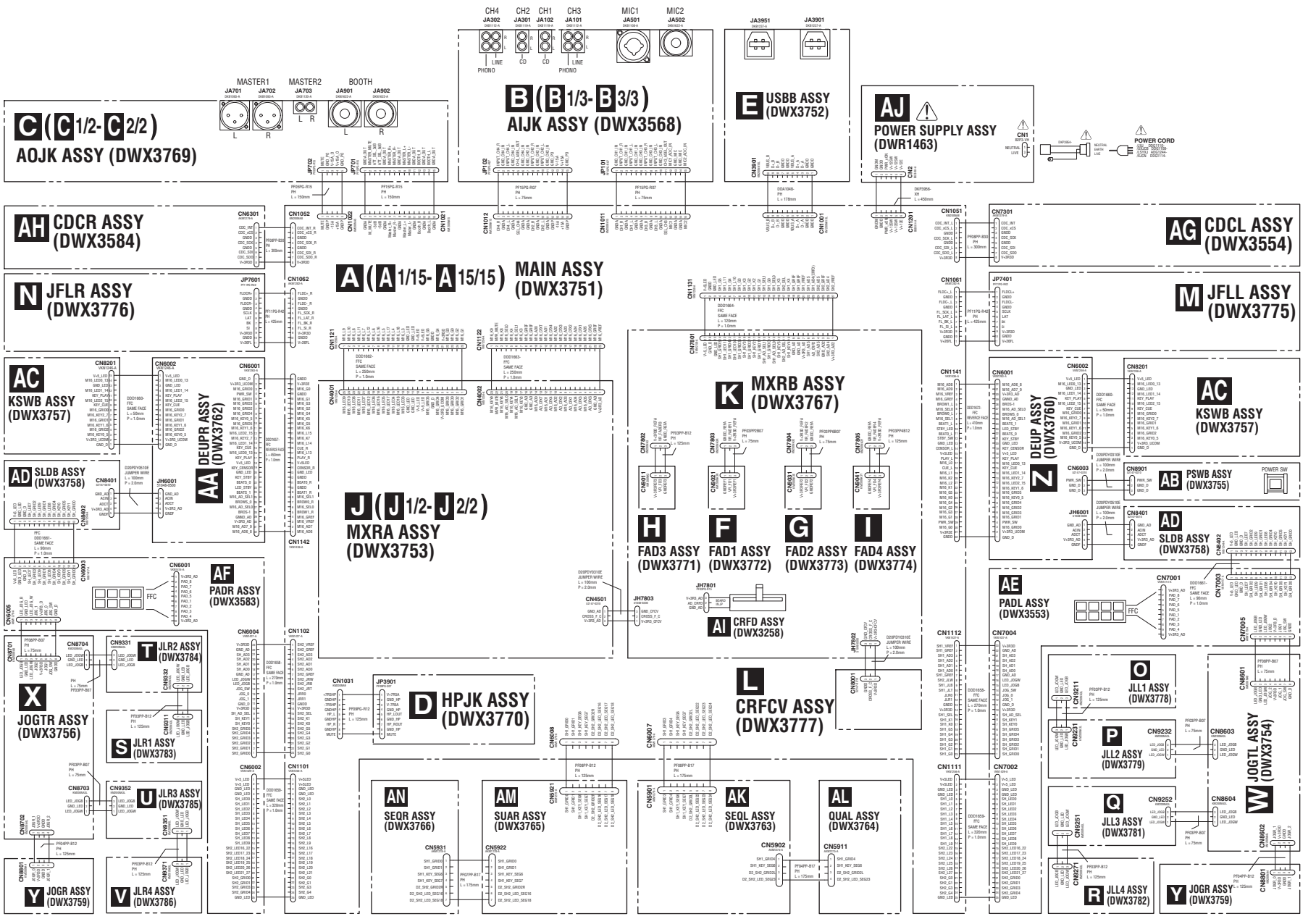
NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
NSP	1	..MOTHER ASSY	DWM2586
	2	..MAIN ASSY	DWX3751
	2	..USBB ASSY	DWX3752
NSP	1	..JACK ASSY	DWM2592
	2	..AIJK ASSY	DWX3768
	2	..AOJK ASSY	DWX3769
	2	..HPJK ASSY	DWX3770
	2	..FAD3 ASSY	DWX3771
	2	..FAD1 ASSY	DWX3772
	2	..FAD2 ASSY	DWX3773
	2	..FAD4 ASSY	DWX3774
NSP	1	..SUB ASSY	DWM2591
	2	..MXRB ASSY	DWX3767
	2	..JFLL ASSY	DWX3775
	2	..JFLR ASSY	DWX3776
	2	..CRFCV ASSY	DWX3777
	2	..JLL1 ASSY	DWX3778
	2	..JLL2 ASSY	DWX3779
	2	..JLL3 ASSY	DWX3781
	2	..JLL4 ASSY	DWX3782
	2	..JLR1 ASSY	DWX3783
	2	..JLR2 ASSY	DWX3784
	2	..JLR3 ASSY	DWX3785
	2	..JLR4 ASSY	DWX3786
NSP	1	..MIXER ASSY	DWM2587
	2	..MXRA ASSY	DWX3753
	2	..JOGTL ASSY	DWX3754
	2	..PSWB ASSY	DWX3755
	2	..JOGTR ASSY	DWX3756
NSP	1	..DECK ASSY	DWM2588
	2	..KSWB ASSY	DWX3757
	2	..SLDB ASSY	DWX3758
	2	..JOGR ASSY	DWX3759
	2	..DEUP ASSY	DWX3760
	2	..STRB ASSY	DWX3761
NSP	1	..DECKR ASSY	DWM2589
	2	..KSWB ASSY	DWX3757
	2	..SLDB ASSY	DWX3758
	2	..JOGR ASSY	DWX3759
	2	..DEUPR ASSY	DWX3762
	2	..STRB ASSY	DWX3761
NSP	1	..PACD ASSY	DWM2523
	2	..PADL ASSY	DWX3553
	2	..CDCL ASSY	DWX3554
	2	..PADR ASSY	DWX3583
	2	..CDCR ASSY	DWX3584
	1	..CROSS FADER ASSY	DXA2257
NSP	2	..CRFD ASSY	DWX3258
NSP	1	..DECK2 ASSY	DWM2590
	2	..SEQL ASSY	DWX3763
	2	..QUAL ASSY	DWX3764
	2	..QUAR ASSY	DWX3765
	2	..SEQR ASSY	DWX3766
⚠		POWER SUPPLY ASSY	DWR1463

4. BLOCK DIAGRAM

- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ 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.
- : The power supply is shown with the marked box.



4. BLOCK DIAGRAM

4.1 OVERALL WIRING DIAGRAM

[4.2 OVERALL BLOCK DIAGRAM], [4.3 POWER BLOCK DIAGRAM], refer to Service Manual for DDJ-SZ.

4.4 MATRIX TABLE

LED assignment

• SH1 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
LED_SEG0 (PWM)	FSR6_L RED	FSR8_L RED	FSR7_L RED	FSR6_L RED	FSR8_L RED	FSR7_L RED
LED_SEG1 (PWM)	FSR6_L GREEN	FSR8_L GREEN	FSR7_L GREEN	FSR6_L GREEN	FSR8_L GREEN	FSR7_L GREEN
LED_SEG2 (PWM)	FSR6_L BLUE	FSR8_L BLUE	FSR7_L BLUE	FSR6_L BLUE	FSR8_L BLUE	FSR7_L BLUE
LED_SEG3 (PWM)	FSR2_L RED	FSR3_L RED	FSR4_L RED	FSR2_L RED	FSR3_L RED	FSR4_L RED
LED_SEG4 (PWM)	FSR2_L GREEN	FSR3_L GREEN	FSR4_L GREEN	FSR2_L GREEN	FSR3_L GREEN	FSR4_L GREEN
LED_SEG5 (PWM)	FSR2_L BLUE	FSR3_L BLUE	FSR4_L BLUE	FSR2_L BLUE	FSR3_L BLUE	FSR4_L BLUE
LED_SEG6 (PWM)	FSR1_L RED	FSR5_L RED		FSR1_L RED	FSR5_L RED	
LED_SEG7 (PWM)	FSR1_L GREEN	FSR5_L GREEN	TEMPO DOWN_L	FSR1_L GREEN	FSR5_L GREEN	TEMPO UP_L
LED_SEG8 (PWM)	FSR1_L BLUE	FSR5_L BLUE	L-HALF_L	FSR1_L BLUE	FSR5_L BLUE	L-DOUBLE_L
LED_SEG9 (PWM)	AUTOLOOP_L	PARAMR_L	L-IN_L		PARAML_L	L-OUT_L
LED_SEG10	SCFX1	CH3_CUE	TRFX1	SCFX3	CH2_CUE	TRFX3
LED_SEG11	SCFX2	CH1_CUE	TRFX2	SCFX4	CH4_CUE	TRFX4

• SH2 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
LED_SEG0 (PWM)	FSR6_R RED	FSR8_R RED	FSR7_R RED	FSR6_R RED	FSR8_R RED	FSR7_R RED
LED_SEG1 (PWM)	FSR6_R GREEN	FSR8_R GREEN	FSR7_R GREEN	FSR6_R GREEN	FSR8_R GREEN	FSR7_R GREEN
LED_SEG2 (PWM)	FSR6_R BLUE	FSR8_R BLUE	FSR7_R BLUE	FSR6_R BLUE	FSR8_R BLUE	FSR7_R BLUE
LED_SEG3 (PWM)	FSR2_R RED	FSR3_R RED	FSR4_R RED	FSR2_R RED	FSR3_R RED	FSR4_R RED
LED_SEG4 (PWM)	FSR2_R GREEN	FSR3_R GREEN	FSR4_R GREEN	FSR2_R GREEN	FSR3_R GREEN	FSR4_R GREEN
LED_SEG5 (PWM)	FSR2_R BLUE	FSR3_R BLUE	FSR4_R BLUE	FSR2_R BLUE	FSR3_R BLUE	FSR4_R BLUE
LED_SEG6 (PWM)	FSR1_R RED	FSR5_R RED		FSR1_R RED	FSR5_R RED	
LED_SEG7 (PWM)	FSR1_R GREEN	FSR5_R GREEN	TEMPO DOWN_R	FSR1_R GREEN	FSR5_R GREEN	TEMPO UP_R
LED_SEG8 (PWM)	FSR1_R BLUE	FSR5_R BLUE	L-HALF_R	FSR1_R BLUE	FSR5_R BLUE	L-DOUBLE_R
LED_SEG9 (PWM)	AUTOLOOP_R	PARAMR_R	L-IN_R		PARAML_R	L-OUT_R
LED_SEG10						
LED_SEG11						
LED_SEG16 (PWM)	SLICER_R RED	SAMPLER_R RED	REC_R	SLICER_R RED	SAMPLER_R RED	
LED_SEG17 (PWM)	SLICER_R GREEN	SAMPLER_R GREEN	QUANTIZE_R	SLICER_R GREEN	SAMPLER_R GREEN	
LED_SEG18 (PWM)	SLICER_R BLUE	SAMPLER_R BLUE	START_R	SLICER_R BLUE	SAMPLER_R BLUE	
LED_SEG19 (PWM)	HOTCUE_R RED	ROLL_R RED		HOTCUE_R RED	ROLL_R RED	
LED_SEG20 (PWM)	HOTCUE_R GREEN	ROLL_R GREEN		HOTCUE_R GREEN	ROLL_R GREEN	
LED_SEG21 (PWM)	HOTCUE_R BLUE	ROLL_R BLUE		HOTCUE_R BLUE	ROLL_R BLUE	
LED_SEG22 (PWM)	SLICER_L RED	SAMPLER_L RED	REC_L	SLICER_L RED	SAMPLER_L RED	
LED_SEG23 (PWM)	SLICER_L GREEN	SAMPLER_L GREEN	QUANTIZE_L	SLICER_L GREEN	SAMPLER_L GREEN	
LED_SEG24 (PWM)	SLICER_L BLUE	SAMPLER_L BLUE	START_L	SLICER_L BLUE	SAMPLER_L BLUE	
LED_SEG25 (PWM)	HOTCUE_L RED	ROLL_L RED		HOTCUE_L RED	ROLL_L RED	
LED_SEG26 (PWM)	HOTCUE_L GREEN	ROLL_L GREEN		HOTCUE_L GREEN	ROLL_L GREEN	
LED_SEG27 (PWM)	HOTCUE_L BLUE	ROLL_L BLUE		HOTCUE_L BLUE	ROLL_L BLUE	

• M16 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
LED_SEG0	GRID ADJUST_L	DECK 1		FX PARAM3_L	FX PARAM2_L	LOAD_L(White)
LED_SEG1	GRID SLIDE_L	DECK 3	TAP_L	AUTO_L	FX PARAM1_L	LOAD_L(Blue)
LED_SEG2	SYNC_L	CUE_L	PLAY_L	CENSOR_L	SLIP_L	TEMPO RANGE_L
LED_SEG3	MIC	USB_LEFT	USB_RIGHT	SYNC(MIXER)	CUE(MIXER)	Master_CUE
LED_SEG4	USBA_LEFT	CH3_FX AS1	CH1_FX AS1	CH2_FX AS1	CH4_FX AS1	USBA_RIGHT
LED_SEG5	USBB_LEFT	CH3_FX AS2	CH1_FX AS2	CH2_FX AS2	CH4_FX AS2	USBB_RIGHT
LED_SEG6 (PWM possibility)	CH3_LV_1	CH1_LV_1	CH2_LV_1	CH4_LV_1	MasL_LV_1	MasR_LV_1
LED_SEG7 (PWM possibility)	CH3_LV_2	CH1_LV_2	CH2_LV_2	CH4_LV_2	MasL_LV_2	MasR_LV_2
LED_SEG8 (PWM possibility)	CH3_LV_3	CH1_LV_3	CH2_LV_3	CH4_LV_3	MasL_LV_3	MasR_LV_3
LED_SEG9	CH3_LV_4	CH1_LV_4	CH2_LV_4	CH4_LV_4	MasL_LV_4	MasR_LV_4
LED_SEG10	CH3_LV_5	CH1_LV_5	CH2_LV_5	CH4_LV_5	MasL_LV_5	MasR_LV_5
LED_SEG11	CH3_LV_6	CH1_LV_6	CH2_LV_6	CH4_LV_6	MasL_LV_6	MasR_LV_6
LED_SEG12	CH3_LV_7	CH1_LV_7	CH2_LV_7	CH4_LV_7	MasL_LV_7	MasR_LV_7
LED_SEG13	GRID ADJUST_R	DECK 2		FX PARAM3_R	FX PARAM2_R	LOAD_R(White)
LED_SEG14	GRID SLIDE_R	DECK 4	TAP_R	AUTO_R	FX PARAM1_R	LOAD_R(Blue)
LED_SEG15	SYNC_R	CUE_R	PLAY_R	CENSOR_R	SLIP_R	TEMPO RANGE_R
LED_SEG16	CH3_LV_8	CH1_LV_8	CH2_LV_8	CH4_LV_8	MasL_LV_8	MasR_LV_8
LED_SEG17	CH3_LV_9	CH1_LV_9	CH2_LV_9	CH4_LV_9	MasL_LV_9	MasR_LV_9
LED_SEG18	CH3_LV_10	CH1_LV_10	CH2_LV_10	CH4_LV_10	MasL_LV_10	MasR_LV_10

KEY assignment

• SH1 Independently

CENSOR_L	CUE_L	PLAY_L

• SH1 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
KEY_SEG0	HOTCUE_L	ROLL_L	SLICER_L	SAMPLER_L	L-HALF_L	L-DOUBLE_L
KEY_SEG1	AUTOLOOP_L	PARAMR_L	L-IN_L		PARAML_L	L-OUT_L
KEY_SEG2	CH3_CUE	CH1_CUE	CH2_CUE	CH4_CUE	TRFX1	TRFX2
KEY_SEG3	SCFX1	SCFX2	SCFX3	SCFX4	TRFX3	TRFX4
KEY_SEG4	CF ASSIGN CH3	CF ASSIGN CH1	CF ASSIGN CH2	CF ASSIGN CH4	OSC_ASSIGN	
KEY_SEG5	CF ASSIGN CH3	CF ASSIGN CH1	CF ASSIGN CH2	CF ASSIGN CH4	OSC_ASSIGN	
KEY_SEG6	OVERDUB_R	QUANTIZE_R		OVERDUB_L	QUANTIZE_L	
KEY_SEG7	START_R	CAPTURE_R		START_L	CAPTURE_L	

• SH2 Independently

CENSOR_R	CUE_R	PLAY_R

• SH2 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
KEY_SEG0	HOTCUE_R	ROLL_R	SLICER_R	SAMPLER_R	L-HALF_R	L-DOUBLE_R
KEY_SEG1	AUTOLOOP_R	PARAMR_R	L-IN_R		PARAML_R	L-OUT_R

• M16 Independently

PANEL			
FX BEATS_L0	BROWSE_L0	FX BEATS_R0	BROWSE_R0
FX BEATS_L1	BROWSE_L1	FX BEATS_R1	BROWSE_R1

• M16 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
KEY_SEG0	GRID ADJUST_L	DECK 1		FX PARAM3_L	FX PARAM2_L	AREA_L
KEY_SEG1	GRID SLIDE_L	DECK 3	AUTO_L	TAP_L	FX PARAM1_L	BACK_L
KEY_SEG2	SYNC_L	SHIFT_L	BROWSE_L_SW	FX BEATS_L_SW	SLIP_L	TEMPO RANGE_L
KEY_SEG3	MIC	CH3	SYNC(MIXER)	CUE(MIXER)	CH4	Master_CUE
KEY_SEG4	MIC	CH3	CH1	CH2	CH4	
KEY_SEG5	GRID ADJUST_R	DECK 2		FX PARAM3_R	FX PARAM2_R	AREA_R
KEY_SEG6	GRID SLIDE_R	DECK 4	AUTO_R	TAP_R	FX PARAM1_R	BACK_R
KEY_SEG7	SYNC_R	SHIFT_R	BROWSE_R_SW	FX BEATS_R_SW	SLIP_R	TEMPO RANGE_R
KEY_SEG8	USBA_LEFT	CH3_FX AS1	CH1_FX AS1	CH2_FX AS1	CH4_FX AS1	USBA_RIGHT
KEY_SEG9	USBB_LEFT	CH3_FX AS2	CH1_FX AS2	CH2_FX AS2	CH4_FX AS2	USBB_RIGHT

VR assignment

• SH1

Pin No.	Signal Name	Route	VR point
64 pin	SH1_AD0	Multiplexer SEL_AD_SH1	PAD_L5
			PAD_L6
65 pin	SH1_AD1		PAD_L7
			PAD_L8
66 pin	SH1_AD2		PAD_L1
			PAD_L2
67 pin	SH1_AD3		PAD_L3
			PAD_L4
69 pin	SH1_AD4	AD port direct	CROSS_FADER
71 pin	SH1_AD5	Multiplexer SEL_AD_SH1_0 SEL_AD_SH1_1	HP_VOL
			HP_MIX
			TFX_VOL
			TFX_LV

• SH2

Pin No.	Signal Name	Route	VR point
64 pin	SH2_AD0	Multiplexer SEL_AD_SH2	PAD_R5
			PAD_R6
65 pin	SH2_AD1		PAD_R7
			PAD_R8
66 pin	SH2_AD2		PAD_R1
			PAD_R2
67 pin	SH2_AD3		PAD_R3
			PAD_R4
69 pin	SH2_AD4	Multiplexer SEL_AD_SH2	CH3_FD
			CH1_FD
71 pin	SH2_AD5		CH2_FD
			CH4_FD

• M16

Pin No.	Signal Name	Route	VR point
81 pin	M16_AD9	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	TMP_ADIN_L
			TMP_ADCT_L
			TMP_ADIN_L
			TMP_ADCT_L
82 pin	M16_AD8		FX_VR1_L
			FX_VR2_L
			FX_VR3_L
			BRAKE_L
83 pin	M16_AD7	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	TMP_ADIN_R
			TMP_ADCT_R
			TMP_ADIN_R
			TMP_ADCT_R
84 pin	M16_AD6		FX_VR1_R
			FX_VR2_R
			FX_VR3_R
			BRAKE_R
85 pin	M16_CFXS	AD port direct	SAMPLER_COL
86 pin	M16_AD5	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MASTER_LV
			BOOTH
			CROSS_F.C
87 pin	M16_CFX3	AD port direct	COLOR3
88 pin	M16_AD4	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	SAMPLER_VOL
			MIC_HI
			MIC_MID
89 pin	M16_CFX1	AD port direct	COLOR1
90 pin	M16_AD3	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID3
			HI3
			TRIM3
			LOW3
91 pin	M16_CFX2	AD port direct	COLOR2
92 pin	M16_AD2	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID1
			LOW1
			HI1
			TRIM1
93 pin	M16_CFX4	AD port direct	COLOR4
94 pin	M16_AD1	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID2
			HI2
			TRIM2
			LOW2
95 pin	M16_CFXT	AD port direct	TRANS_COL
97 pin	M16_AD0	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID4
			LOW4
			HI4
			TRIM4

5. DIAGNOSIS

[5.1 POWER ON SEQUENCE], [5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL], [5.4 VOLTAGE MONITORING CIRCUIT], [5.5 ABOUT PROTECTOR], refer to Service Manual for DDJ-SZ.

5.2 TROUBLESHOOTING

The procedures and content for the DDJ-RZ are the same as those for the base model (DDJ-SZ).
For details, refer to the service manual of the DDJ-SZ.
In such a case, the model name "DDJ-SZ" should be read as "DDJ-RZ."

5.6 BASIC OPERATION CHECK USING rekordbox dj

[Installation of rekordbox dj]

A brief explanation of how to install rekordbox dj on a PC is given below. For details, refer to the operating instructions of the software.
Install the driver software that enables audio output from the PC beforehand.
The operating environment of the PC required for installation of rekordbox dj is shown below.

Operating environment

Supported operating systems		
Mac OS X 10.10 / 10.9 / 10.8 (latest update)		✓
Windows® 8/8.1 (latest service pack)	32-bit version	✓
	64-bit version	✓
Windows Pro® 8/8.1 (latest service pack)	32-bit version	✓
	64-bit version	✓
Windows® 7 Home Premium/Professional/Ultimate (latest service pack)	32-bit version	✓
	64-bit version	✓

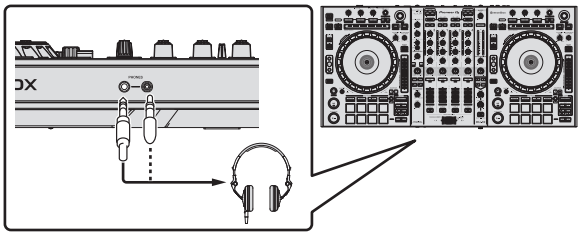
- For the latest information on this unit' s dedicated driver software, see the Pioneer DJ site below.
  http://www.pioneerdj.com/
- Operating System support assumes you are using the latest point release for that version.

Acquiring rekordbox (Mac/Windows)

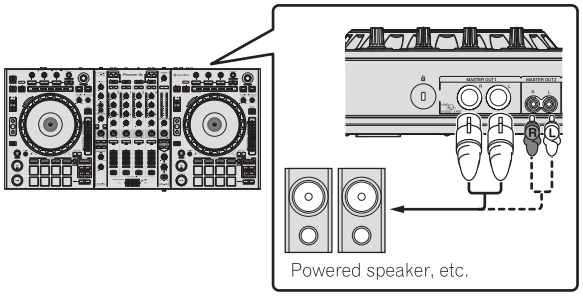
① Launch a web browser on the computer and access the rekordbox site below.
http://rekordbox.com/
② Download rekordbox from the rekordbox download page.
③ Install rekordbox and register the account.
④ Activate rekordbox dj.*
Note*: For activation, a license key (fee-based) is required. A license key for service is to be issued later from the PSN. Before that, use rekordbox on a 30-day free trial basis.
• For instructions, see the rekordbox software' s manual.

[Operating procedures]

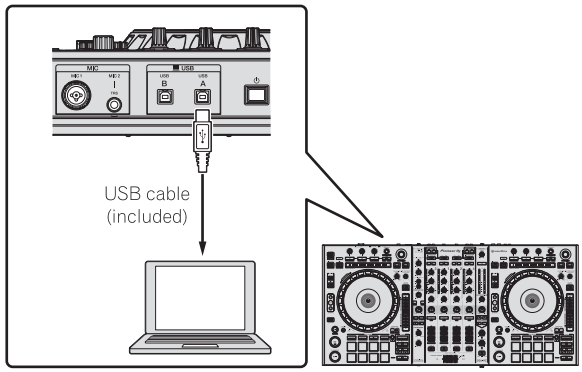
① Connect headphones to one of the [PHONES] terminals.



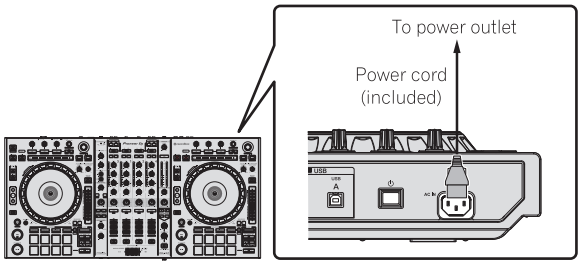
② Connect powered speakers, a power amplifier, components, etc., to the [MASTER OUT 1] or [MASTER OUT 2] terminals.



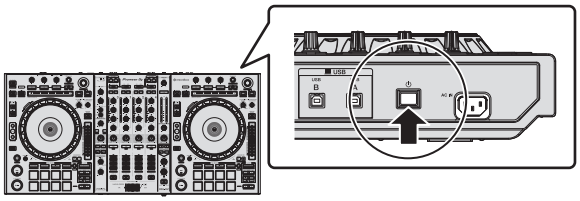
③ Connect this unit to your computer via a USB cable.



④ Turn on the computer' s power.
⑤ Connect the power cord.



⑥ Press the [⏻] 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.).

Starting the system

Launching rekordbox

For Windows 7

Click the [All Programs] > [Pioneer] > [rekordbox] icon from the Windows [Start] menu.

For Windows 8.1/8

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

For Mac OS X

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

Importing tracks

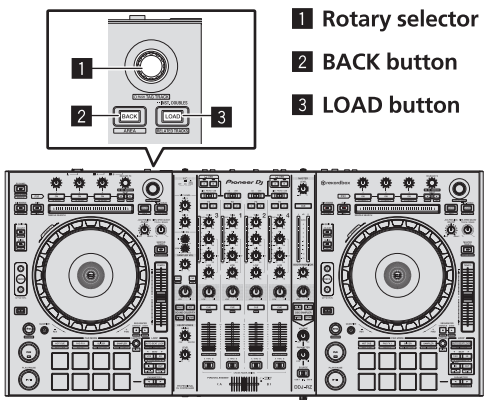
① Click [Collection] in the tree view.
② Open Finder or Windows explorer, then drag and drop music files or folders including music files to the track list.

a : Tree View
b : Track list

a Tree View b Track list

Loading tracks and playing them

① Select the [Collection] or a playlist or other item and then press the unit' s rotary selector to move to the track list.
② Turn the rotary selector and select the track.
③ Press the [DECK1] button.
④ Press the [LOAD] button to load the selected track onto the deck.

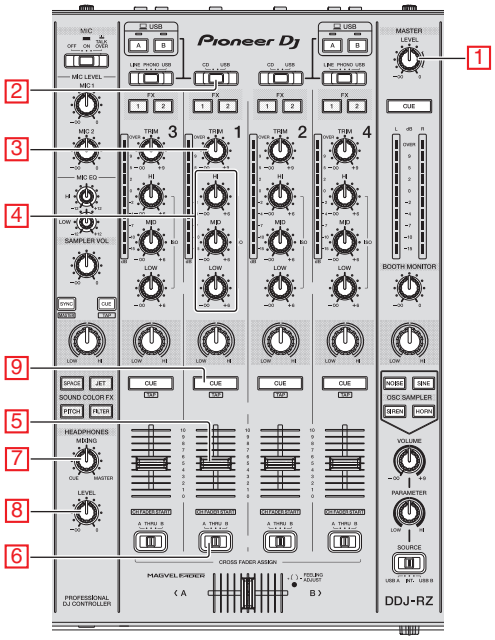


1 Rotary selector
2 BACK button
3 LOAD button

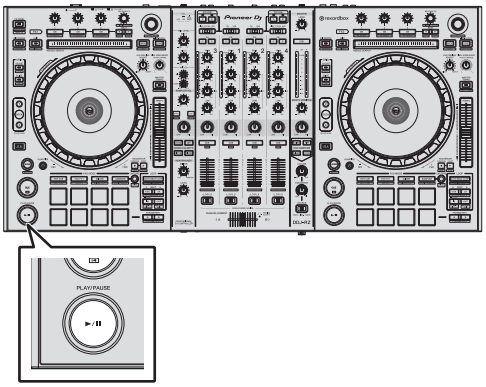
Playing tracks and outputting the sound

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

Names of controls, etc.		Position
MASTER LEVEL control	1	Turned fully counterclockwise
CD, USB selector switch	2	[**USB**] position
TRIM control	3	Turned fully counterclockwise
ISO (**HI**, **MID**, **LOW**) controls	4	Center
Channel fader	5	Moved forward
Crossfader assign selector switch	6	[**THRU**] position



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



③ Turn the [TRIM] (3) control.
④ Move the channel fader (5) away from you.
⑤ Turn the [MASTER LEVEL] (1) control to adjust the audio level of the speakers.

Monitoring sound with headphones

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

Names of controls, etc.		Position
HEADPHONES MIXING control	7	Center
HEADPHONES LEVEL control	8	Turned fully counterclockwise

① Press the headphones [CUE] (9) button for the channel 1.
② Turn the [HEADPHONES LEVEL] (8) control.

6. SERVICE MODE
6.1 TEST MODE

1. Description of Test Modes

The Following test modes are provided for this unit:

① Test Mode

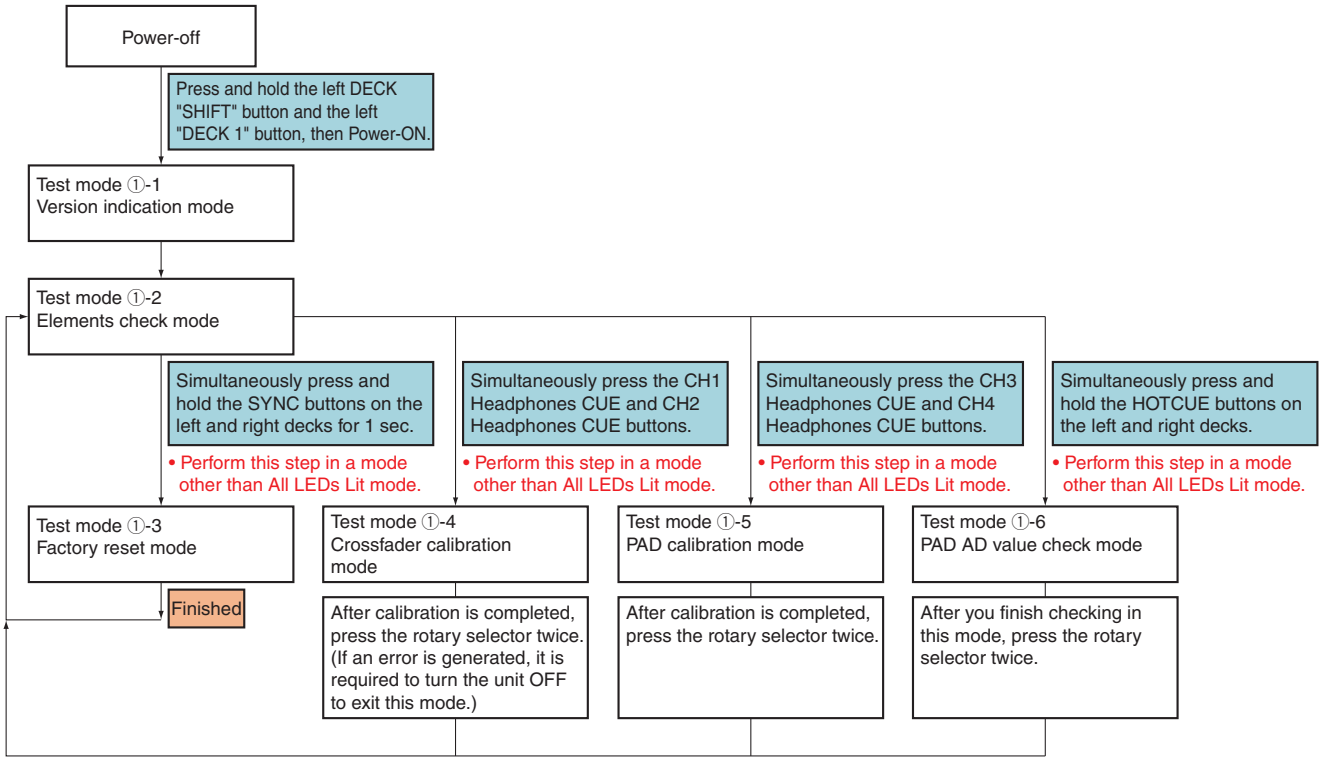
①-1: Version indication mode
①-2: Elements check mode
①-3: Factory reset mode
①-4: Crossfader calibration mode
①-5: PAD calibration mode
①-6: PAD AD value check mode

② Measurement Mode

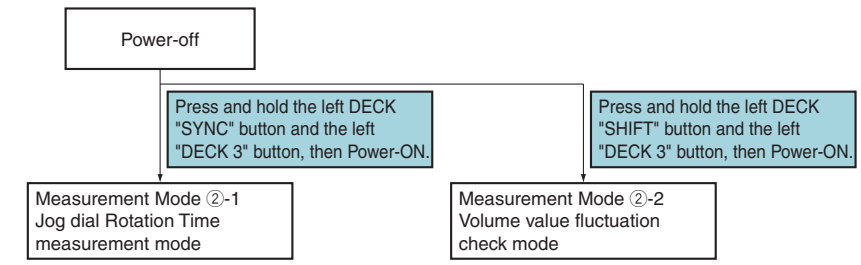
②-1: Jog dial Rotation Time measurement mode
②-2: Volume value fluctuation check mode

2. How to Enter Test Mode

[How to Enter Test Mode]



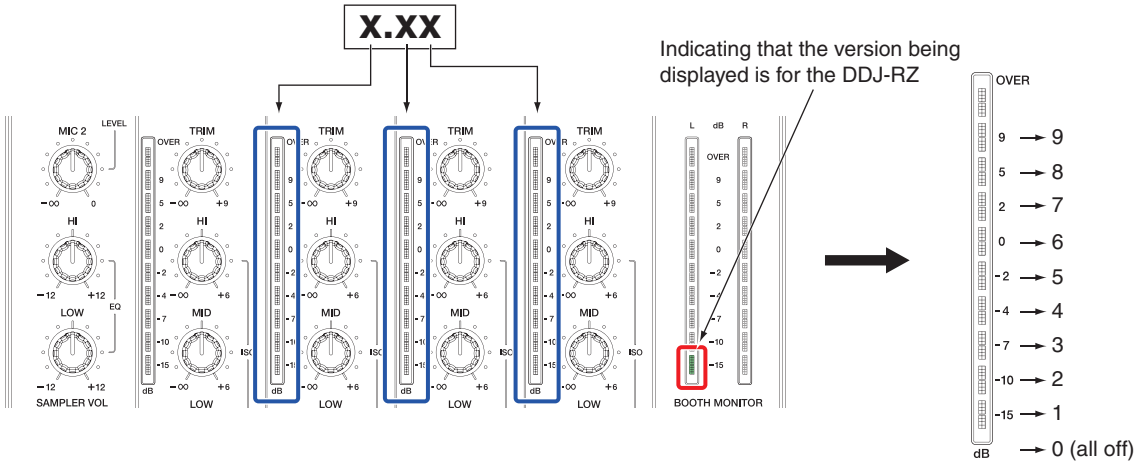
[How to Enter Measurement Mode]



3. Description of Test Mode

①-1: Version indication mode

This mode is for confirming the version of the firmware, using the channel level indicators for CH1, CH2, CH4 and MASTER (L). The figure zero is represented with all LEDs of a channel level indicator unlit, and the figure increases by one as the number of LEDs increases.
The version numbers 0.00 to 9.99 will be indicated.
The green LED at the bottom of the left MASTER level indicator lights to indicate that the current version of the firmware being displayed is for the DDJ-RZ.



①-2: Elements check mode

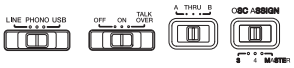
This mode is for confirming operation of all operating elements located on the upper and front panels.
As data on the following operating elements are not controlled by the microcomputer, their operation cannot be checked in this mode.

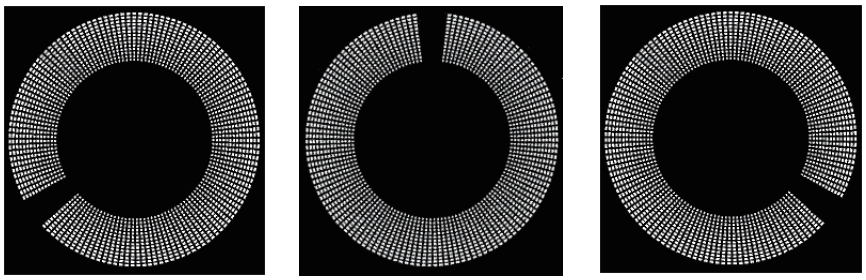
- JOG FEELING ADJUST control (L, R)
- MIC1 control, MIC2 control

Element type	UI Part Name	Trigger	LED to check
Push switches (with LED)	————	Press	Own LED
Push switches (with two color LED)	LOAD	Press	LOAD LED (blue)
Push switches (without LED)	Rotary selector (L, R)	Press	All LED and Jog dial display section
	BACK (L, R)	Press	LOAD LED (white)
	RELEASE FX (L, R)	Press	Jog dial ring (blue ⇒ white ⇒ unlit)
	SHIFT button (L, R)	Press	USB connection indicator (umber)
	CAPTURE (L, R)	Press	Jog dial center FL VINYL lit
	Jog dial (TOUCH)	Press	Jog dial center FL VINYL out side lit
Slide switch	LINE, PHONO, USB selector switch	Slide	Jog dial cente FL TYPE-A (*1)
	OFF, ON, MIC TALK OVER selector switch	Slide	Jog dial cente FL TYPE-A (*1) Takeover indicator
	Crossfader assign selector switch	Slide	Jog dial cente FL TYPE-A (*1)
	OSC ASSIGN selector switch	Slide	Jog dial cente FL TYPE-A (*1)
Jog dial (TURN), Effect parameter 1, 2, 3 controls (L, R) STOP TIME control (L, R)		Turn	Jog dial cente FL TYPE-B (*2)
NEEDLE SEARCH pad, TEMPO slider		Slide	Jog dial cente FL TYPE-B (*2)
RELEASE FX rotary selector, Rotary selector		Turn	Jog dial cente FL TYPE-C (*3)
Channel fader, TRIM control, ISO (HI, MID, LOW) control, COLOR control		————	Each channel level indicator (*4)
MIC_HI control, MIC_LOW control, SAMPLER VOL control, SAMPLER, MIC COLOR control, HEADPHONES MIXING control, HEADPHONES LEVEL control, Crossfader		————	Master level indicator (L) (*4)
MASTER LEVEL control, MASTER_CFX control, BOOTH MONITOR control, OSCILLATOR PARAMETER control, OSCILLATOR VOLUME control, CROSS FADER CURVE control,		————	Master level indicator (R) (*4)
Performance pads, PAD mode (*5)		Press	Own LED

(*1) TYPE-A (Jog dial center FL)

For the selectors shown below, the selected positions will be represented with the indications of the Jog dial center FL, as shown below. The starting position depends on the last position.

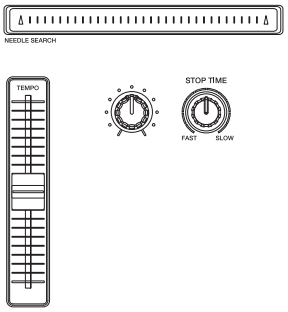


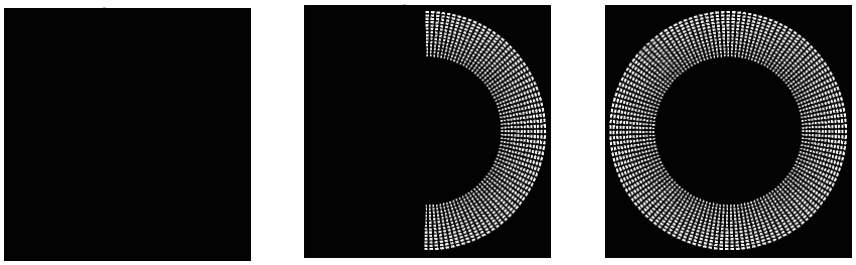


Left | Center (This indication is not available for a 2-position selector.) | Right

(*2) TYPE-B (Jog dial center FL)

For the operating elements shown below, the selected positions will be represented with the lighting area of the Jog dial center FL; the minimum level is represented by no segments lit and the maximum level by all segments lit.

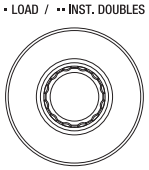


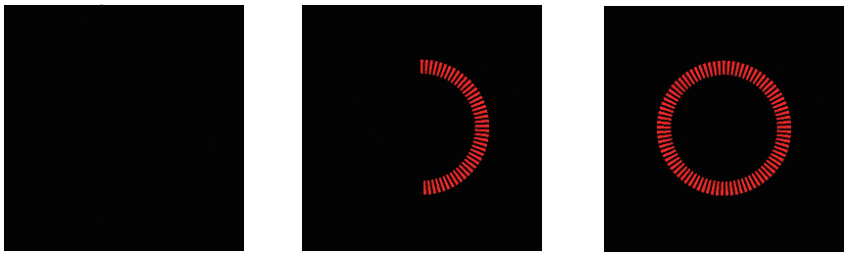


MIN (No segments lit) | Center | MAX

(*3) TYPE-C (Jog dial center FL)

For the operating elements shown below, the selected positions will be represented with the lighting area (in red) of the Jog dial center FL; the minimum level is represented by no segments lit and the maximum level by all segments lit.

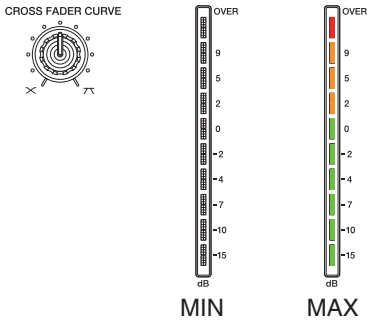




MIN (No segments lit) | Center | MAX

(*4) Each channel level indicator, Master level indicator

For channel faders, crossfaders, and controls, the selected positions will be represented with the lighting of the LEDs at 11 levels; the minimum level is represented by no LEDs lit and the maximum level by all LEDs lit.
Each operating element on decks 1 to 4 is represented by the corresponding channel level indicator; for a CH1 operating element, the CH1 channel level indicator is used, for a CH2 operating element, the CH2 channel level indicator is used, and so on.



MIN | MAX

(*5) Performance pads, PAD mode

A performance pad is provided with LEDs of three different colors.
There are two confirmation methods for the performance pads.

① **Simultaneous confirmation of all LEDs of the performance pads**

When a PAD MODE button indicated below is pressed in All LEDs Lit mode with the BROWSE SW set to on, LEDs of three different colors of the performance pads can be checked.

PAD MODE (HOT CUE) on: All PAD MODE buttons and pads are lit in blue.
PAD MODE (PAD FX) on: All PAD MODE buttons and pads are lit in red.
PAD MODE (SLICER) on: All PAD MODE buttons and pads are lit in green.
PAD MODE (SAMPLER) on: All PAD MODE buttons and pads are lit in white (red, blue, and green LEDs light simultaneously).

② **Lighting check of individual LEDs of the performance pads**

If any of the performance pads is pressed repeatedly in any mode other than All LEDs Lit mode, the color of the pad changes cyclically, as indicated below.

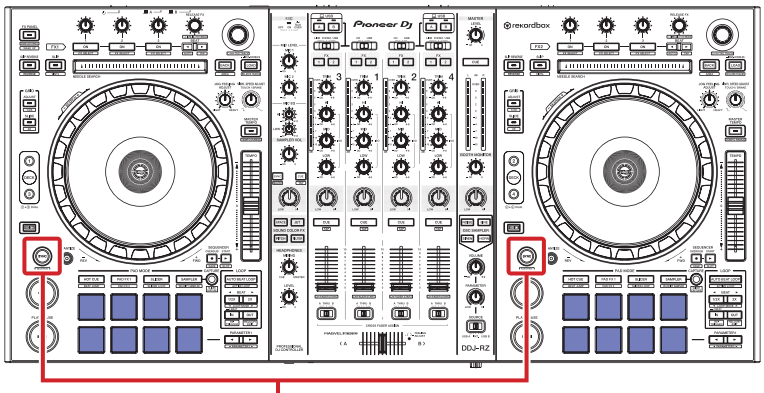
Unlit, red, green, blue, unlit, and so on.

①-3: Factory reset mode

In Test mode (①-2: Elements Check mode), the settings indicated in the table below can be reset to the factory default values if the SYNC buttons on the left and right decks are simultaneously held pressed for 1 sec.

Setting item	Factory default value
MIDI MODE	AUTO
Fader Start	ON
MASTER ATT.	0 dB
SLIPMODE FLASHING	MODE1
STANDBY	ON
DEMO MODE	ON (10 min)
Velocity curve setting	3
Transmission interval of MIDI messages for the Jog dial	1 ms
Crossfader cut lag setting	6
MIC TALK OVER mode setting	ADVANCED
TALK OVER level setting	-18 dB
Mic Output To Booth Monitor	ON
PEAK LIMITER	ON
JOG RING BRIGHTNESS	2 (Lit brightly)

When the SYNC buttons on the left and right decks are simultaneously held pressed, the LEDs of these buttons light.
After resetting is completed, the pads on both decks light in blue.
When resetting has failed, the SYNC buttons on both decks flash.



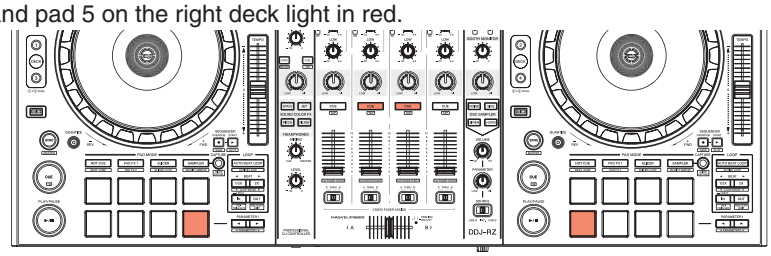
Simultaneously hold both SYNC buttons pressed for 1 sec.

①-4: Crossfader calibration mode

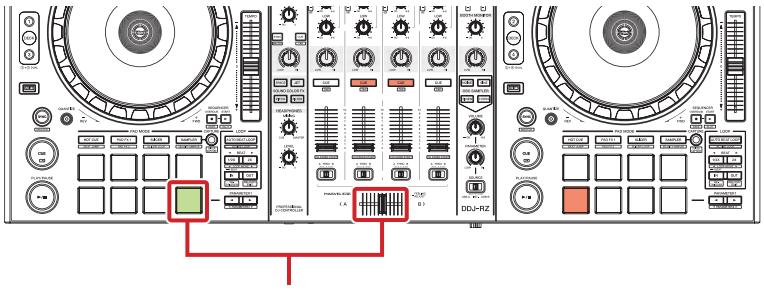
To enter Crossfader Calibration mode, simultaneously press the CH1 Headphones CUE and CH2 Headphones CUE buttons in Test mode (①-2: Elements Check mode).

[Crossfader Calibration Procedure]

① Simultaneously press the CH1 Headphones CUE and CH2 Headphones CUE buttons in Test mode (①-2: Elements Check mode).
The CH1 Headphones CUE and CH2 Headphones CUE buttons light.
Pad 8 on the left deck and pad 5 on the right deck light in red.

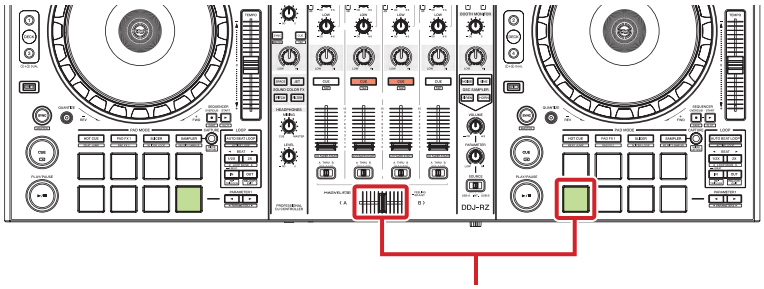


② Slide the crossfader to its leftmost position then press pad 8 on the left deck.
The color of pad 8 changes to green.
(The maximum value for the crossfader is obtained.)



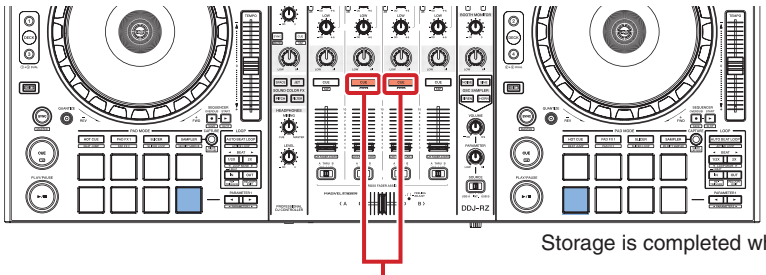
Slide the crossfader to its leftmost position then press pad 8 on the left deck.

③ Slide the crossfader to its rightmost position then press pad 5 on the right deck.
The color of pad 5 changes to green.
(The minimum value for the crossfader is obtained.)



Slide the crossfader to its rightmost position then press pad 5 on the right deck.

4 Simultaneously press the CH1 Headphones CUE and CH2 Headphones CUE buttons.
The color of pad 8 on the left deck and pad 5 on the right deck changes to blue. (Completion of storing the setting values)

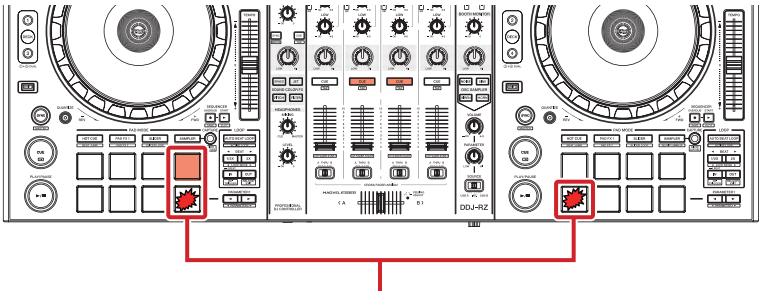


Storage is completed when the pad lighting turns blue.

Simultaneous pressing of the CH1 Headphones CUE and CH2 Headphones CUE buttons stores the setting values in the serial flash memory.

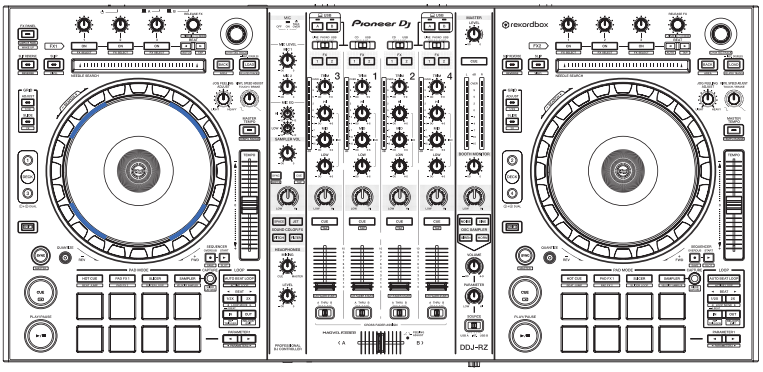
· If the CH1 Headphones CUE and CH2 Headphones CUE buttons are pressed without setting the maximum and minimum values, an error indication will be displayed.

Error indication



In a case of a setting error, the pads flash in red.
If the maximum and minimum values are in contradiction, pad 4 on the left deck lights.

[Error indication when no calibration is performed]
With no calibration, the Jog ring LEDs on the left deck flash in blue.



①-5: PAD calibration mode

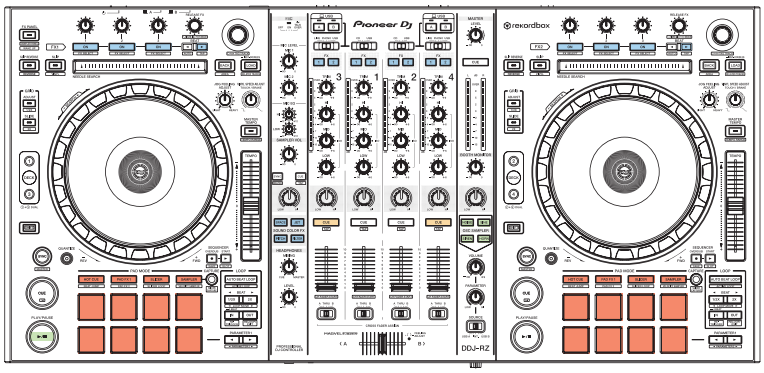
To enter Pad Calibration mode, simultaneously press the CH3 Headphones CUE and CH4 Headphones CUE buttons in Test mode (①-2: Elements Check mode).

[Operating elements to be used for Pad Calibration]

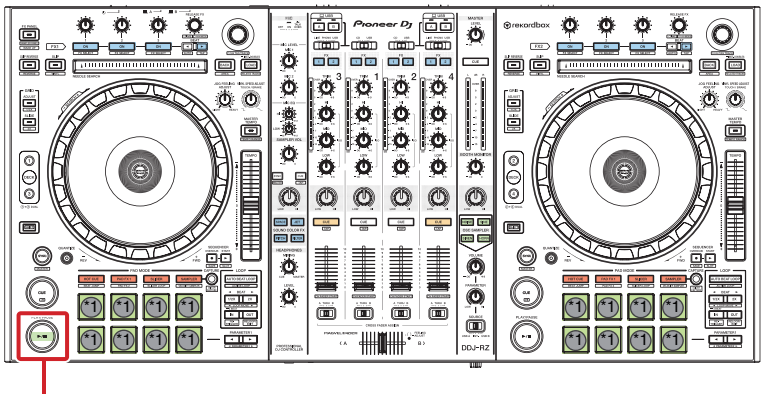
Element Name	Ppurpose	Element Name	Ppurpose
Left DECK Effect parameter 1 button	Acquiring an A/D conversion value	CH3 FX assign 1 button	Confirming a setting value
Left DECK Effect parameter 2 button		CH3 FX assign 2 button	
Left DECK Effect parameter 3 button		CH1 FX assign 1 button	
Left DECK BEAT ► (TAP) button		CH1 FX assign 2 button	
Left DECK HOT CUE mode button		SOUND COLOR FX (SPACE) button	
Left DECK PAD FX1 button		SOUND COLOR FX (JET) button	
Left DECK SLICER mode button		SOUND COLOR FX (PITCH) button	
Left DECK SAMPLER mode button		SOUND COLOR FX (FILTER) button	
Right DECK Effect parameter 1 button		CH2 FX assign 1 button	
Right DECK Effect parameter 2 button		CH2 FX assign 2 button	
Right DECK Effect parameter 3 button		CH4 FX assign 1 button	
Right DECK BEAT ► (TAP) button		CH4 FX assign 2 button	
Right DECK HOT CUE mode button		OSC SAMPLER SELECT (NOISE) button	
Right DECK PAD FX1 button		OSC SAMPLER SELECT (SINE) button	
Right DECK SLICER mode button		OSC SAMPLER SELECT (SIREN) button	
Right DECK SAMPLER mode button		OSC SAMPLER SELECT (HONE) button	
Headphones CUE 3 button	Storing a setting value	Left DECK BACK button	Deleting a setting value
Headphones CUE 4 button		Left DECK LOAD PREPARE button	
Left DECK PLAY/PAUSE ►/II button	Acquiring an A/D conversion value	Right DECK BACK button	
Performance pads	Displaying a setting value	Right DECK LOAD PREPARE button	
Level indicator	Displaying a setting value		

[Pad Calibration Procedure]

① Simultaneously press the CH3 Headphones CUE and CH4 Headphones CUE buttons in Test mode (①-2: Elements Check mode). (Perform this step in a mode other than All LEDs Lit mode.)
The CH3 Headphones CUE and CH4 Headphones CUE buttons light.
All pads light in red.
The Effect Parameter 1, Effect Parameter 2, Effect Parameter 3, and BEAT ► (TAP) buttons on the left and right decks light.
The PLAY/PAUSE ►/❚❚ button on the left deck lights.
The FX assign buttons light.
The SOUND COLOR FX and OSC SAMPLER SELECT buttons light.



②-1 Simultaneous calibration of all pads
With all pads weighted down (by placing the weights on all pads), press the PLAY/PAUSE ►/❚❚ button on the left deck.
The color of the pads changes to green.
(The A/D values of the pads are obtained.)
If the A/D value of any of the pads is abnormal, that pad starts flashing in red.

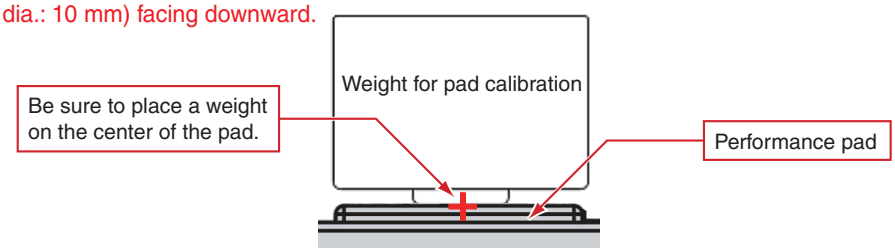


*1: Weighting

With all pads weighted down, press the PLAY/PAUSE ►/❚❚ button on the left deck.

②-2 Calibration of individual pads (to be performed during servicing)
While weighting a pad to be calibrated down, press the button corresponding to the pad. (See the table and figure on the next page.)
The color of the pad changes to green.
(The A/D value of the pad is obtained.)
If the A/D value is abnormal, the pad starts flashing in red.

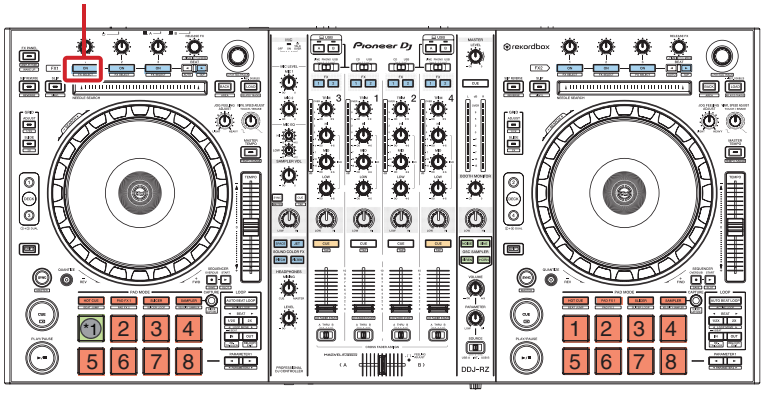
Note: To weigh a pad down, be sure to place a weight (12 mm dia.) on the center of the pad, with the convex part (contact area dia.: 10 mm) facing downward.



List of the buttons corresponding to the pads to be calibrated

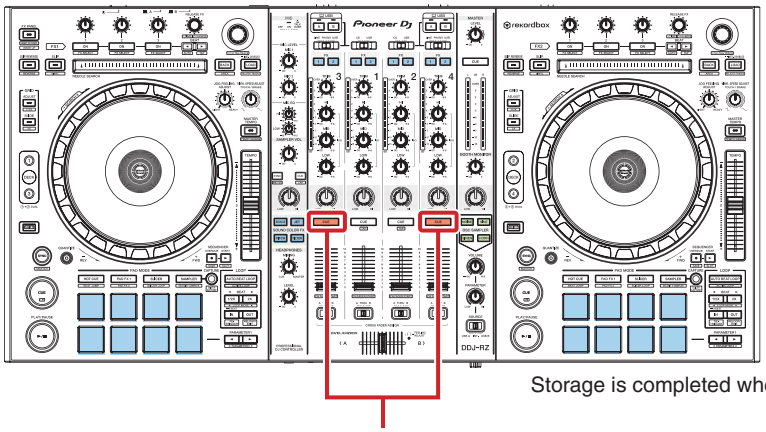
PAD	Button	PAD	Button
Left DECK PAD1	Left DECK Effect parameter 1 button	Right DECK PAD1	Right DECK Effect parameter 1 button
Left DECK PAD2	Left DECK Effect parameter 2 button	Right DECK PAD2	Right DECK Effect parameter 2 button
Left DECK PAD3	Left DECK Effect parameter 3 button	Right DECK PAD3	Right DECK Effect parameter 3 button
Left DECK PAD4	Left DECK BEAT ► (TAP) button	Right DECK PAD4	Right DECK BEAT ► (TAP) button
Left DECK PAD5	Left DECK HOT CUE mode button	Right DECK PAD5	Right DECK HOT CUE mode button
Left DECK PAD6	Left DECK PAD FX1 button	Right DECK PAD6	Right DECK PAD FX1 button
Left DECK PAD7	Left DECK SLICER mode button	Right DECK PAD7	Right DECK SLICER mode button
Left DECK PAD8	Left DECK SAMPLER mode button	Right DECK PAD8	Right DECK SAMPLER mode button

Press the button corresponding to the pad being weighted down.
(Example: For pad 1 on the left deck)



*1: Weighting

③ Simultaneously press the CH3 Headphones CUE and CH4 Headphones CUE buttons.
The color of all pads changes to blue, indicating completion of storing the setting value.

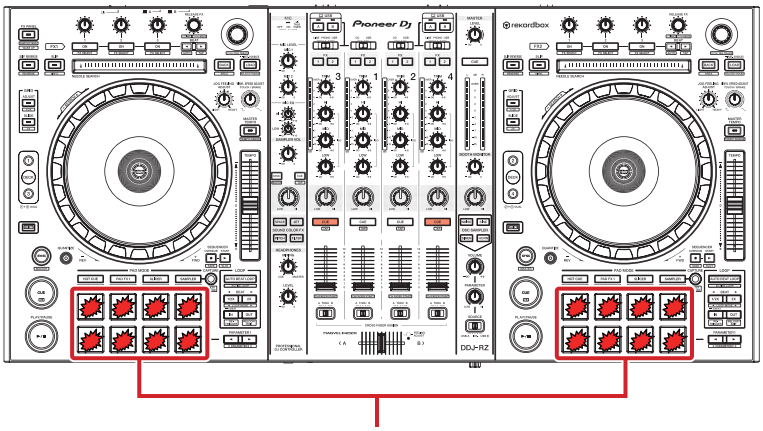


Storage is completed when the pad lighting turns blue.

Simultaneous pressing of the CH3 Headphones CUE and CH4 Headphones CUE buttons stores the setting value in the serial flash memory.

· If the CH3 Headphones CUE and CH4 Headphones CUE buttons are pressed without setting the A/D conversion value, an error indication will be displayed.

Error indication



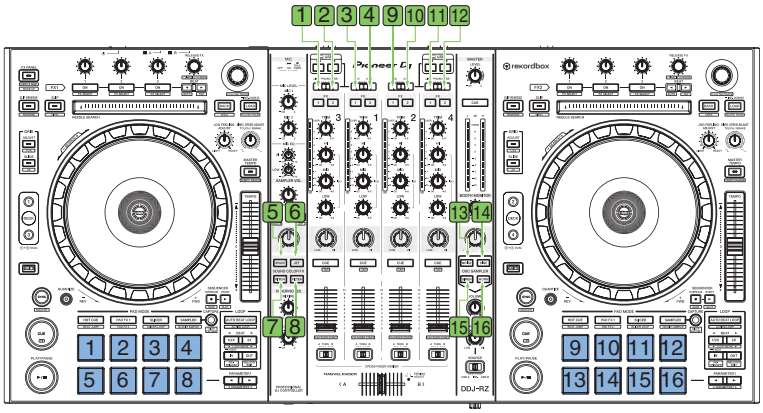
In a case of a setting error, the pads flash in red.

④ Check the setting values.
If you press the button corresponding to the pad whose setting value is to be checked, the setting value will be indicated with the level indicator.
The hundreds, tens, and unit's digits are expressed with the CH1, CH2, and CH4 level indicators, respectively.
If no calibration was performed, no level indicators light.
The pad whose setting value is indicated is lit in white.

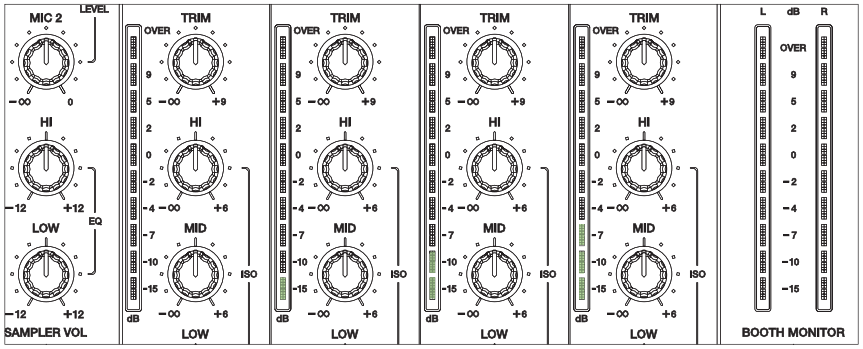
List of the buttons corresponding to the pads whose setting values are to be confirmed

PAD No.	Button	PAD No.	Button
1	CH3 FX assign 1	9	CH2 FX assign 1
2	CH3 FX assign 2	10	CH2 FX assign 2
3	CH1 FX assign 1	11	CH4 FX assign 1
4	CH1 FX assign 2	12	CH4 FX assign 2
5	SOUND COLOR FX (SPACE)	13	OSC SAMPLER SELECT (NOISE)
6	SOUND COLOR FX (JET)	14	OSC SAMPLER SELECT (SINE)
7	SOUND COLOR FX (PITCH)	15	OSC SAMPLER SELECT (SIREN)
8	SOUND COLOR FX (FILTER)	16	OSC SAMPLER SELECT (HONE)

Buttons corresponding to the PAD Nos. in the table



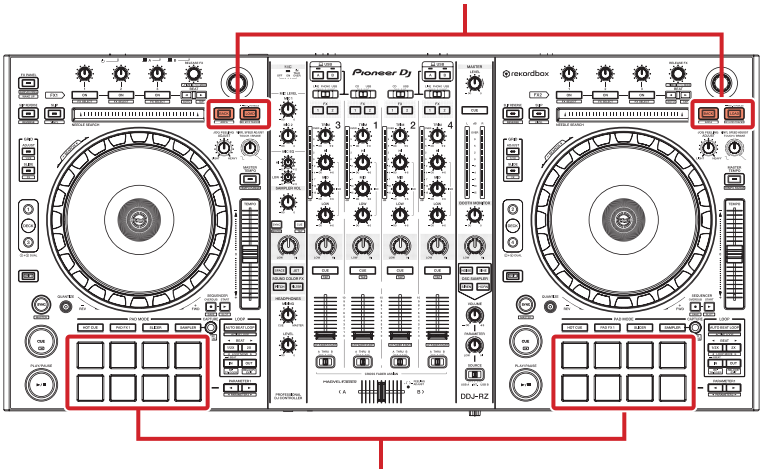
Indication example of the level indicators (when the setting value is 123)



[Deletion of the setting values]

Simultaneously press the BACK and LOAD PREPARE buttons on the left and right decks.
All pads light in white, indicating completion of deletion of the setting values.

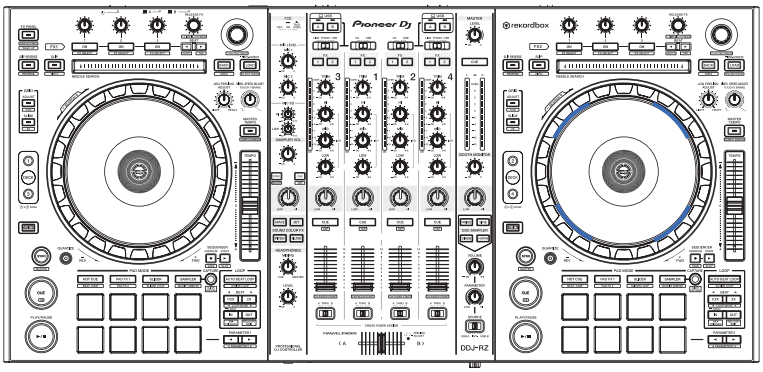
Simultaneous pressing of the BACK and LOAD PREPARE buttons on the left and right decks deletes the setting values stored in the serial flash memory.



Deletion is completed when the color of all pads changes to white.

[Error indication when no calibration is performed]

With no calibration, the Jog ring LEDs on the right deck flash in blue.



①-6: PAD AD value check mode

This mode is for confirming if the A/D value changes in response to force applied to a pad.
To enter PAD AV value check mode, simultaneously press the HOT CUE mode buttons on the left and right decks.

[Use of this mode during repair]

Use this mode for failure judgment of the performance-pad section and confirmation of conditions of the pads after part replacement.
If the reading of the level indicator does not change in response to change in force applied to a pad, that performance pad may be in failure.

Operation procedure:

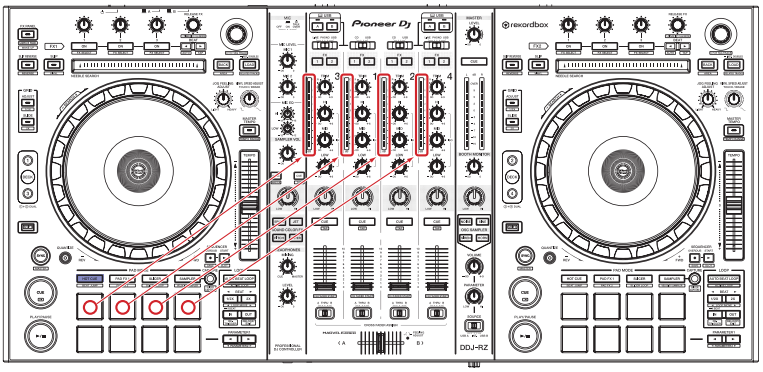
① Simultaneously press the HOT CUE mode buttons on the left and right decks.
The HOT CUE mode button on the left deck lights.

② Press the HOT CUE mode, PAD FX1, SLICER mode, or SAMPLER mode button on the left deck, depending on the pad to be checked.
HOT CUE mode : Pads 1 to 4 on the left deck
PAD FX1 : Pads 5 to 8 on the left deck
SLICER mode : Pads 1 to 4 on the right deck
SAMPLER mode : Pads 5 to 8 on the right deck

③ The level indicator oscillates in response to force applied to the pad.

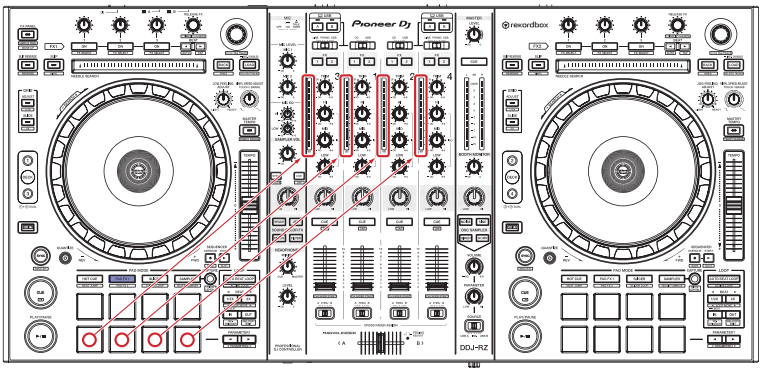
A

[HOTCUE]



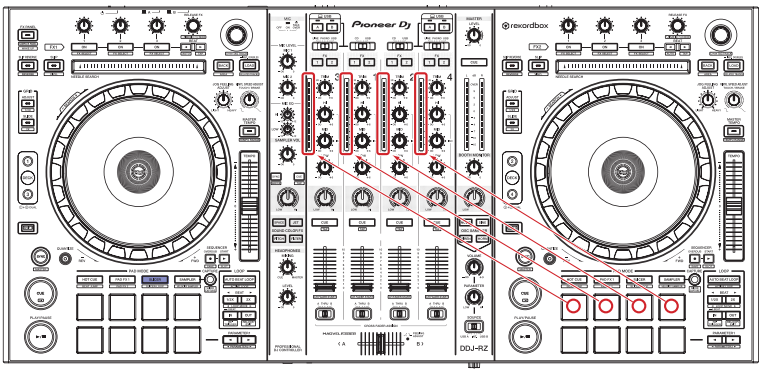
B

[PAD FX1]



C

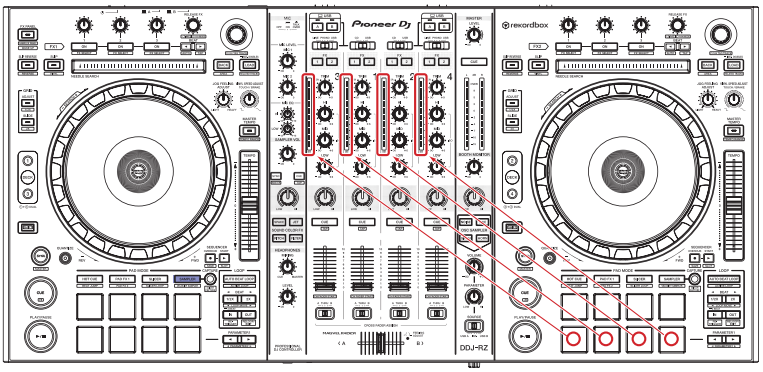
[SLICER]



D

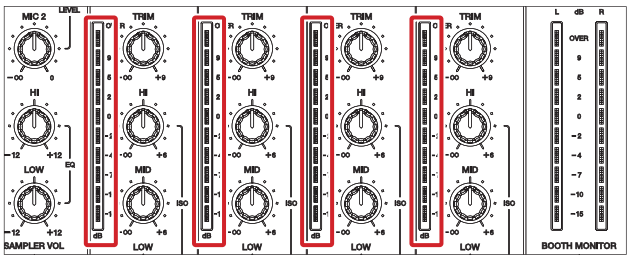
E

[SAMPLER]



F

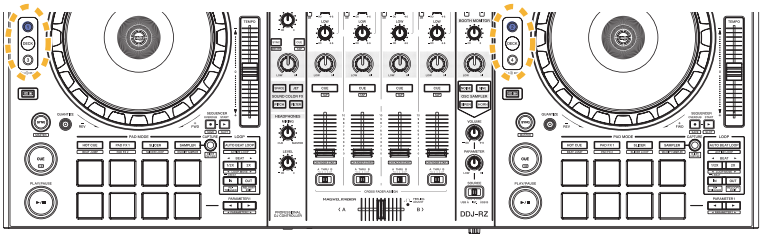
Indication example of the level indicators



Measurement result
(indicated in 10 steps, with the value at 3.3 V as the maximum value)

②-1: Jog dial Rotation Time measurement mode

This mode is for measuring the load on the Jog dials.
To enter this mode, while holding the SYNC and DECK 3 buttons on the left deck pressed, turn the unit on.
The DECK 1 to 4 buttons light in this mode.



[Use of this mode during repair]

Use this mode to check if reassembly was performed correctly and if grease application was performed properly after replacement of the component parts of the Jog dial section.
The specified values are 270 msec or less with the JOG FEELING ADJUST control turned fully counterclockwise (at the LIGHT position) and 100 msec or more with the JOG FEELING ADJUST control turned fully clockwise (at the HEAVY position).
Check that measured rotation times are within the specified range when you turn the Jog dial several times in this mode.

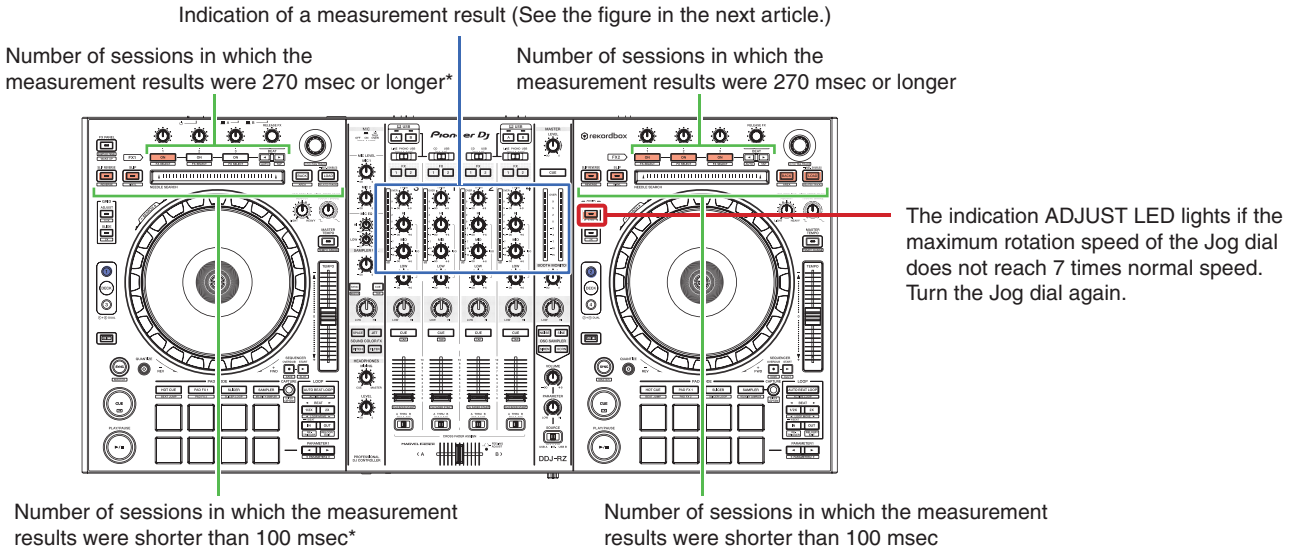
Operation procedure:

① Turn the Jog dial whose rotation time is to be measured.
Measurement will start after the rotation speed of the Jog dial reaches or surpasses 7 times normal speed.
If the rotation speed of the Jog dial does not reach 7 times normal speed, the indication ADJUST LED on the same deck as the Jog dial being tested is located lights.
② The time required for the Jog dial to decrease its rotation speed from 3 times to 1.5 times normal speed will be indicated in msec.

Indications of measurement results and the number of sessions in which out-of-range values were obtained:

- The number of sessions (1–4) in which the time required for slowdown was 270 msec or longer is indicated with the FX SELECT 1 to 3 and BEAT ◄ (AUTO) buttons on the same deck as the Jog dial being tested is located. Any such sessions exceeding five will not be counted.
- The number of sessions (1–4) in which the time required for slowdown was 100 msec or shorter is indicated with the SLIP REVERSE, SLIP, BEAT ► (TAP), and LOAD (Blue) buttons on the same deck as the Jog dial being tested is located. Any such sessions exceeding five will not be counted.

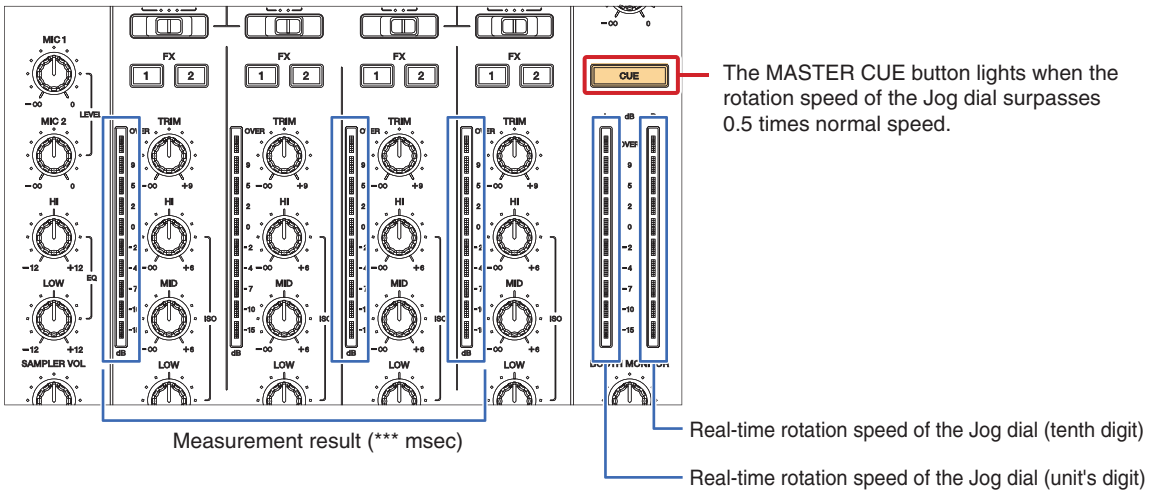
- In the figure below, the numbers of sessions in which the measurement results were 270 msec or longer and shorter than 100 msec are 1 and 2, respectively, for the left Jog dial, and those for the right Jog dial are 3 and 4, respectively.



*For indications of measurement results 270 msec or longer, the FX 1 ON, 2 ON, and 3 ON and the BEAT ◄ (AUTO) LEDs are used, and for indications of measurement results shorter than 100 msec, the BEAT ► (TAP) LED is used. The same applies to Decks 2 and 4.

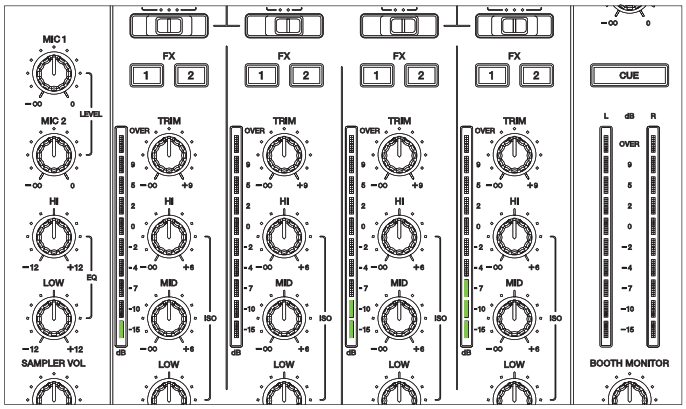
Indication of a measurement result

The measured time required for slowdown is expressed with the level indicators, as shown below.
You can confirm if the rotation speed of the Jog dial reaches 0.5 times normal speed with the MASTER CUE button.



(Example)

The figure below shows the result of 123 msec.



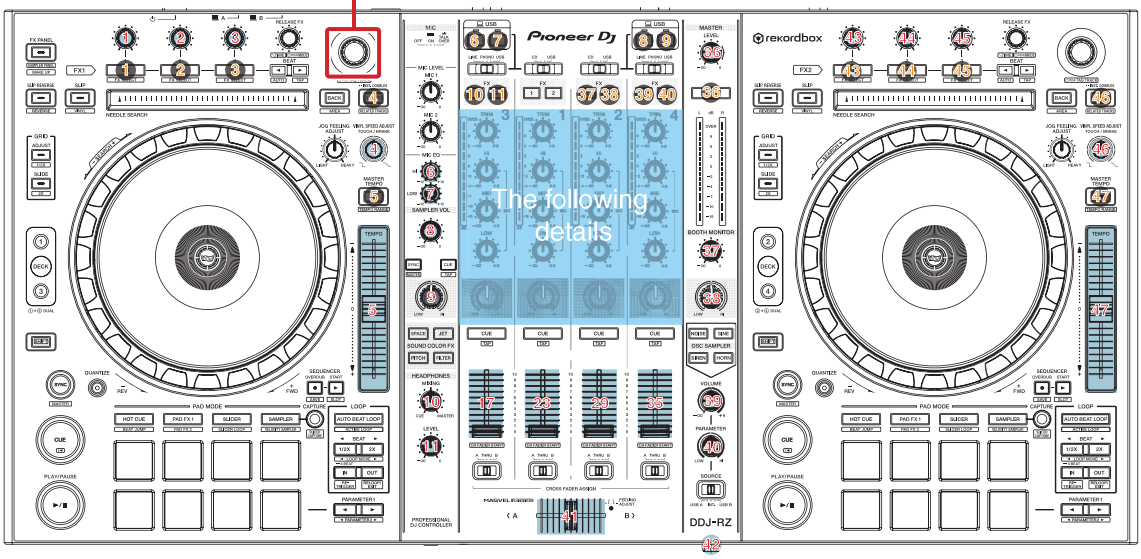
②-2: Volume value fluctuation check mode

This mode is for testing fluctuated values of voltages (A/D conversion values) of various faders and rotary variable controls and for indicating such fluctuations with the MASTER level indicator.
To enter this mode, while holding the SHIFT and DECK 3 buttons on the left deck pressed, turn the unit on.

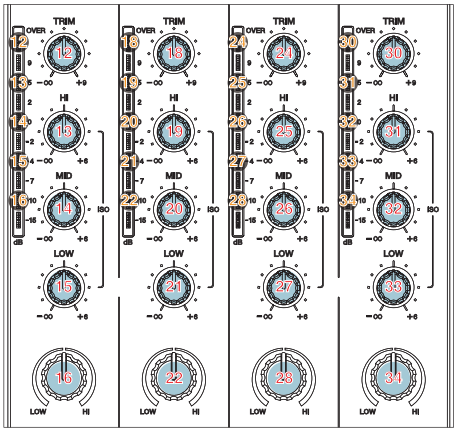
[Controls that can be tested]

The faders and controls indicated in blue in the figure below can be tested.

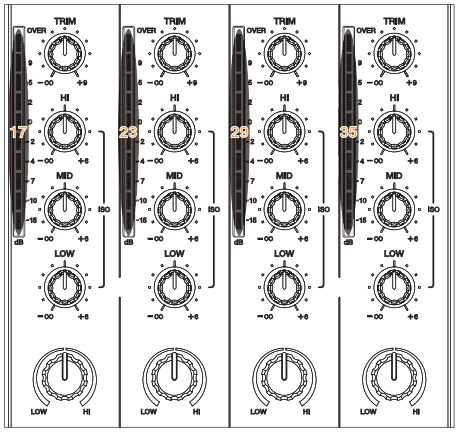
To change faders/controls to be tested, turn the rotary selector clockwise or counterclockwise.
To start monitoring or reset an A/D conversion value, press the rotary selector.



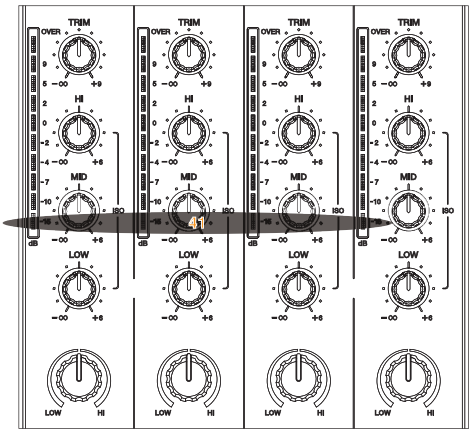
Each Channel TRIM, HI, MID, LOW, COLOR



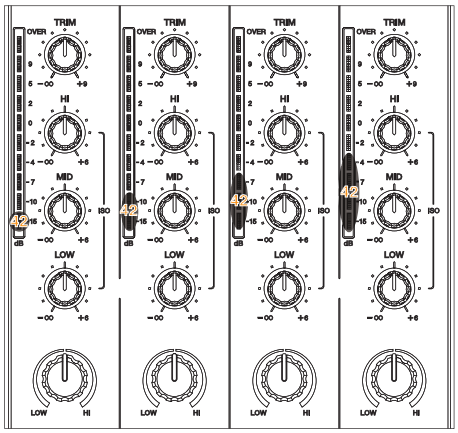
Each Channel Fader



Crossfader



Crossfader Curve



[Use of this mode during repair]

For failure judgment of the Faders and rotary VRs
As a guide, amplitude values higher than +4 or lower than -4 may be judged as failure.
The VRs can be set to any position during measurement. Possible symptoms are shown below.

- The MIDI signal is output even if the corresponding VR is not operated.

[Details of test]

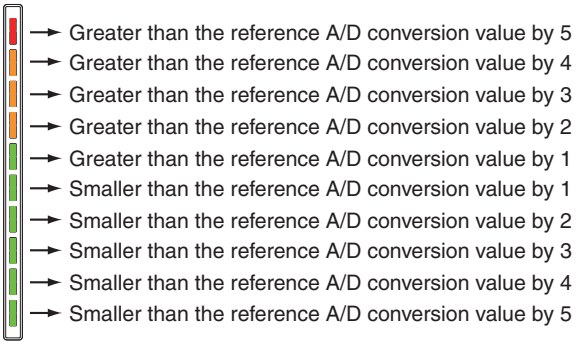
① Select a fader/control to be tested by turning the rotary selector clockwise or counterclockwise.
At the beginning of this test mode, the control numbered 1 is selected.
As the rotary selector is turned by 1 click, the LED of the selected fader/control will light in the order indicated below.
Clockwise rotation: 1 → 2 → 3 → 4 → . . . . . → 46 → 47
Counterclockwise rotation: 47 → 46 → 45 → . . . . . → 2 → 1

② Which control/fader is currently selected is indicated with lighting of the LED of the button corresponding to the selected control/fader, as shown in the figure on the previous page.
The LED with a number on the black circle corresponds to the fader/control having the same number.
For example, to test the MASTER VOL control, turn the rotary selector until the MASTER CUE lights.

③ After the fader/control to be tested is selected, press the rotary selector to start monitoring the A/D conversion values.
The A/D conversion value monitored immediately after monitoring is started becomes the reference value.

- The A/D conversion values being monitored are raw data.

④ The A/D conversion values being monitored are indicated with the MASTER level indicator (L).
If no fluctuations are monitored with regard to the reference A/D value, all LEDs of the level indicator remain unlit.
In response to fluctuations with regard to the reference A/D conversion value, the corresponding LEDs light.



- Both greater and smaller A/D conversion values than the reference value remain indicated on the MASTER level indicator.
- Both greater and smaller maximum fluctuation values than the reference value remain indicated.

⑤ To reset the fluctuation values up until the present, press the rotary selector while monitoring A/D conversion values.

(Example)

1. Turn the SAMPLER VOL control to the position whose A/D conversion value you wish to measure.
2. Turn the rotary selector clockwise by 8 clicks.
   The USB-A buttons on decks 2 and 4 light.
3. Press the rotary selector to start monitoring A/D conversion values.
   If the A/D conversion value when the rotary selector is pressed is 760, that value becomes the reference and fluctuations in A/D values are monitored.

4. If the A/D value becomes 763 after a while, the LEDs of the MASTER level indicator light, as shown in the figure below.

5. After that, if the A/D value becomes 762, the indication of the MASTER level indicator does not change.
6. If the A/D value becomes 764, the lit LEDs of the MASTER level indicator change, as shown in the figure below.

7. If the A/D value becomes 758, the lit LEDs of the MASTER level indicator change, as shown in the figure below.

8. After that, if the A/D value becomes 759, the indication of the MASTER level indicator does not change.
9. If the A/D value becomes 757, the lit LEDs of the MASTER level indicator change, as shown in the figure below.

10. To reset the monitored A/D values, press the rotary selector. All LEDs will go dark. The A/D conversion value when the rotary selector is pressed will become a new reference value.

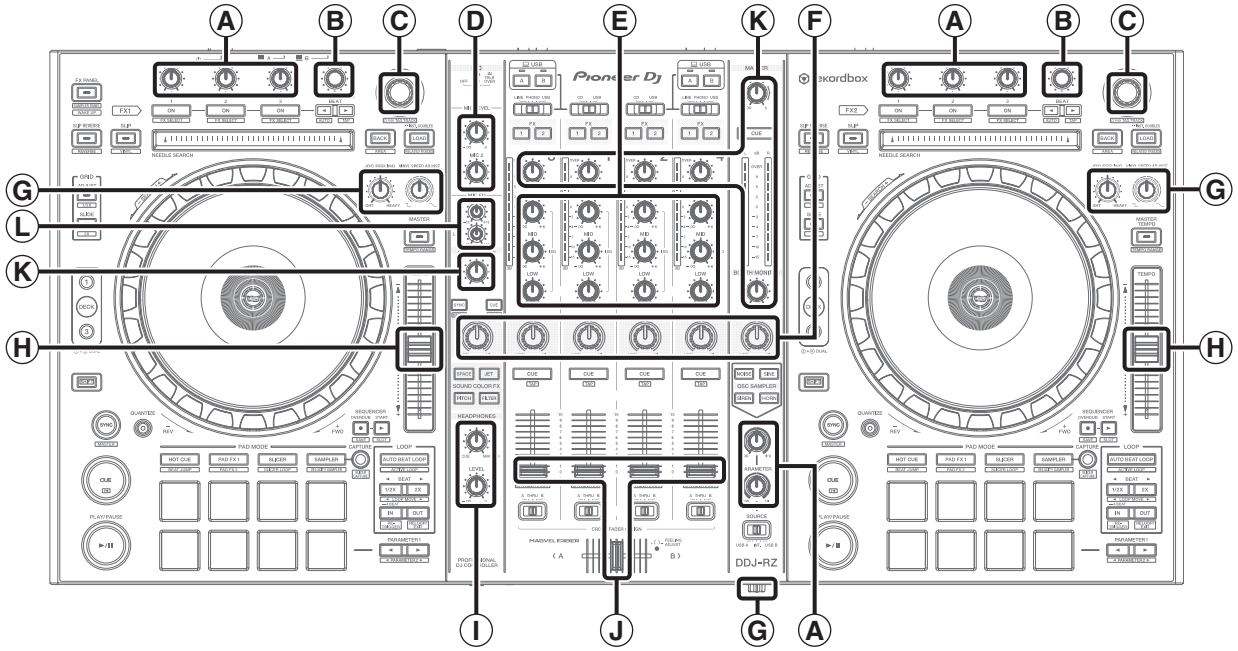
6.2 ABOUT THE DEVICE

Device Name	Part number	Function	Ref. No.	Assy
REGULATOR	NJM2831F33	Regulator for V+3R3E, V+3R3A, V+3R3D_CLK	IC1201, IC1406, IC3405	MAIN Assy
REGULATOR	NJM78M15DL1A	Regulator for V+15A	IC1401	MAIN Assy
REGULATOR	NJM79M15DL1A	Regulator for V-15A	IC1402	MAIN Assy
REGULATOR	NJM7805DL1A	Regulator for V+5A	IC1404	MAIN Assy
REGULATOR	NJM2886DL3-33	Regulator for V+3R3D	IC1206	MAIN Assy
DC/DC converter	BD9851EFV	DC/DC converter for ±18A, V±7R5HP	IC1403, IC1405	MAIN Assy
DC/DC converter	BD9328EFJ	DC/DC converter for V+1R2D, V+8A	IC1203, IC1205	MAIN Assy
DC/DC converter	BD9329EFJ	DC/DC converter for V+5D	IC1204	MAIN Assy
DC/DC converter	NJM2392M	DC/DC converter for V+26FL	IC1202	MAIN Assy
M16 UCOM	DYW1876 (R5F364AENFA-U0-K)	LED, FL, KEY, VR control	IC6001	MAIN Assy
SH UCOM	R5S72670P144FP	LED, KEY, FADER, PAD, CDC, USB control	IC2201 IC2601	MAIN Assy
DSP	D810K013DZKB400	AUDIO DSP SYSTEM LSI	IC3201	MAIN Assy
FLASH (16M)	DYW1910 (MX25L1633EM2I-10G-K)	Memory for SH1, SH2, DSP (Firmware)	IC3001	MAIN Assy
SDRAM (128M)	M12L128168A-5TG2N	Memory for DSP (Work)	IC3202	MAIN Assy
ADC	AK5358AET	Audio A/D converter	IC2001	MAIN Assy
ADC	PCM1803ADB	Audio A/D converter	IC1603, IC1604, IC1803, IC1804	MAIN Assy
DAC	AK4387ET	Audio D/A converter	IC3606, IC3802	MAIN Assy
DAC	WM8740SEDS	Audio D/A converter	IC3601	MAIN Assy
VFD	DEL1073	VACUUM FLUORESCENT DISPLAY	V7401	JFLL Assy
			V7601	JFLR Assy
CDC	AD7147ACPZ500RL7	Capacitance Sensor for NEEDLE SEARCH pad	IC7301	CDCL Assy
			IC6301	CDCR Assy
PIC UCOM	DYW1858	Touch detection for JOG DIAL	IC8601	JOGTL Assy
			IC8701	JOGTR Assy

7. DISASSEMBLY

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.

Knobs and Volumes Location



A DAA1220 ×8
White
Black (rubber)

B DAA1344 ×2
Black (rubber)

C DAA1342 ×2
Black

D DAA1210 ×2
White
Black

E DAA1305 ×12
White
Black (rubber)
White

F DAA1309 ×6
White
Silver

G DAA1326 ×5
White
Black

H DNK5981 ×2
White
Black

I DAA1212 ×2
White
Black

J DAC2684 ×5 + DAC2685 ×5 + DNK5888 ×5
DAC2685
White
DAC2684
Black
DNK5888
White

K DAA1333 ×7
White
Black

L DAA1302 ×2
White
Black

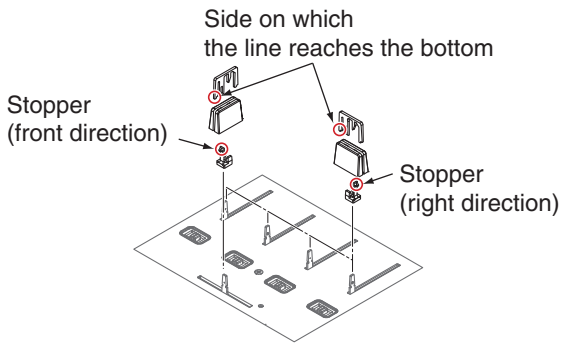
Disassembly

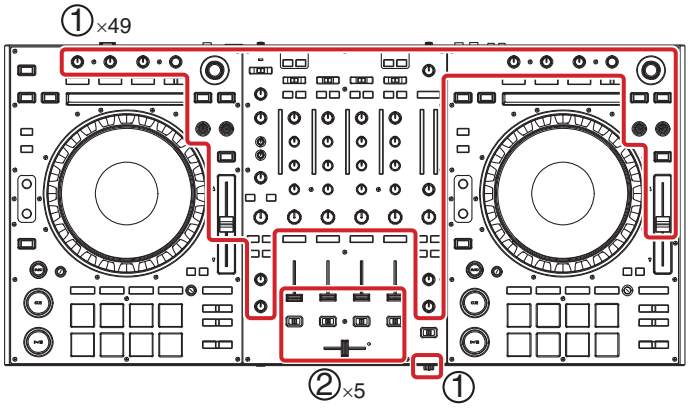
[1] Exterior Section

• Knobs etc.

(1) Remove the all knobs.
(2) Remove the 5 Silider knobs 2,
5 Slider knobs 1, 5 Slider Stoppers.
(Refer to the service manual of DDJ-SZ.)

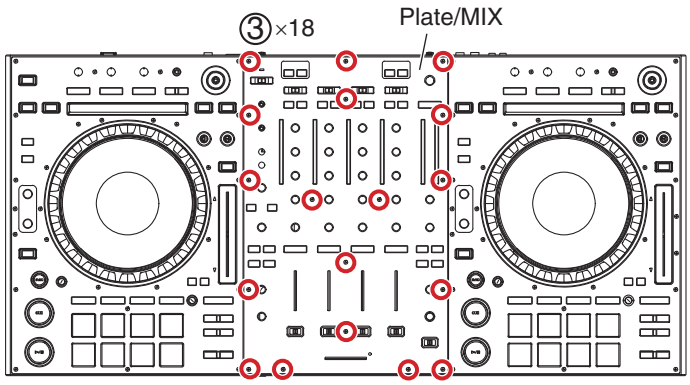
The reference of the direction



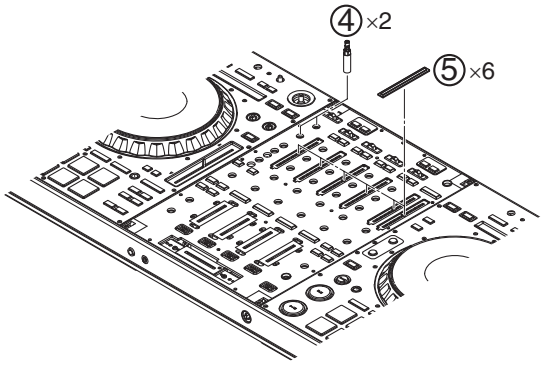


(3) Remove the Plate/MIX by removing the
18 screws.

Note:
Neither the Plate/DEL nor the Plate/DER is required to be detached during repair of the internal unit.



(4) Remove the 2 Shafts/EXT.
(5) Remove the 6 Lenses/LVL.

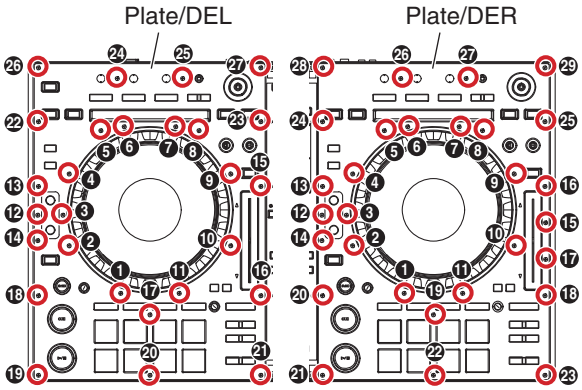


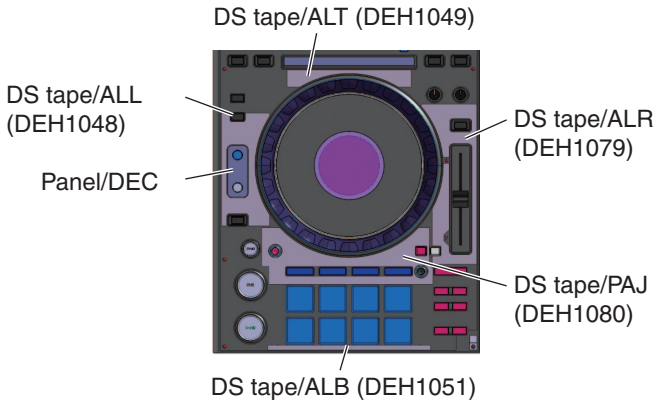
• Note on replacement of the Plate/DEL and Plate/DER

As the Plate/DEL and Plate/DER are attached to the control panel with double-back tape, replacement of the double-back tape (5 parts) is also required during replacement of those plates. Remove 27 screws from the Plate/DEL and 29 screws from the Plate/DER then detach the control panel, taking care not to damage the control panel.
Completely remove the double-back tape remaining on the control panel then attach double-back tape to the control panel, as shown in the figure on the below.

DS tape/ALL: DEH1048
DS tape/ALT: DEH1049
DS tape/ALR: DEH1079
DS tape/ALB: DEH1051
DS tape/PAJ: DEH1080

When attaching the Plate, be careful not to attach them over the edge of the control panel or the Panel/DEC.
Tighten the screws in the order shown in the figure on the below.





• Chassis Section

Refer to the service manual of DDJ-SZ.

[2] Terminal Section, MAIN Assy

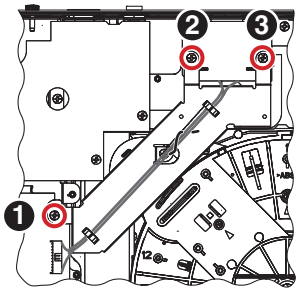
• HPJK, TRB and CRFCV Assemblies

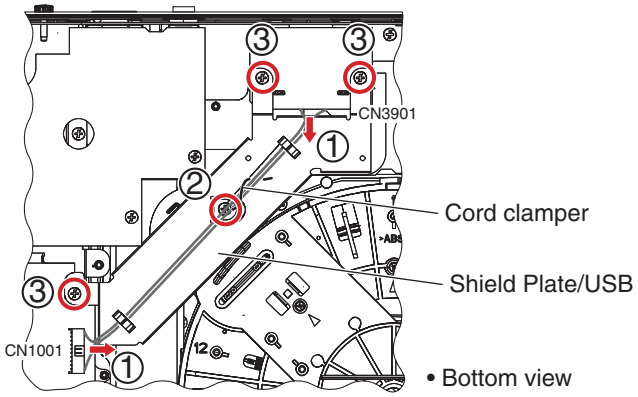
Refer to the service manual of DDJ-SZ.

• MAIN Assy

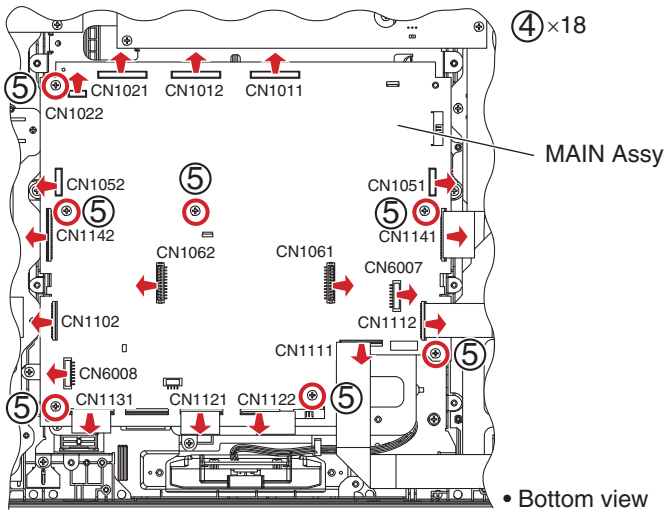
(1) Disconnect the 2 connectors.
(CN1001, 3901)
(2) Remove the 1 screw.
(BPZ30P080FNI)
(3) Remove the Shield Plate/USB by removing the 3 screws.
(BBZ30P080FTB)

Screw tightening order



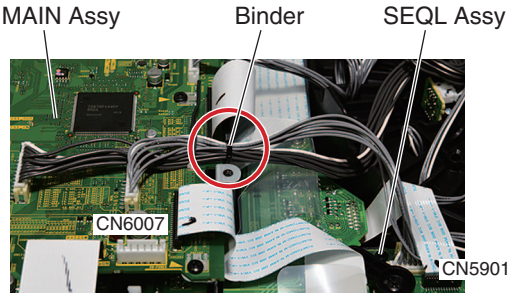


(4) Disconnect the all flexible cables and connectors.
(5) Remove the MAIN Assy by removing the 7 screws.
(BBZ30P060FTB)



• Notes on Cable Styling

Refer to the service manual of DDJ-SZ.

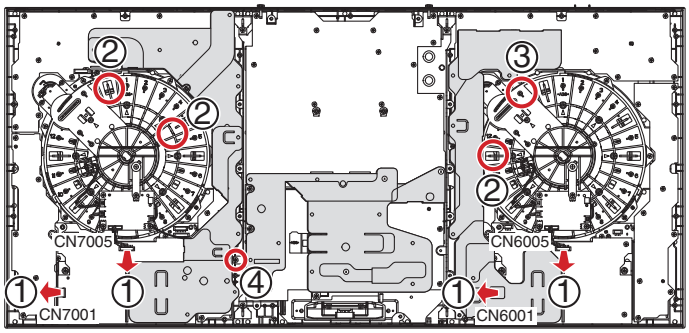


• Terminal Section

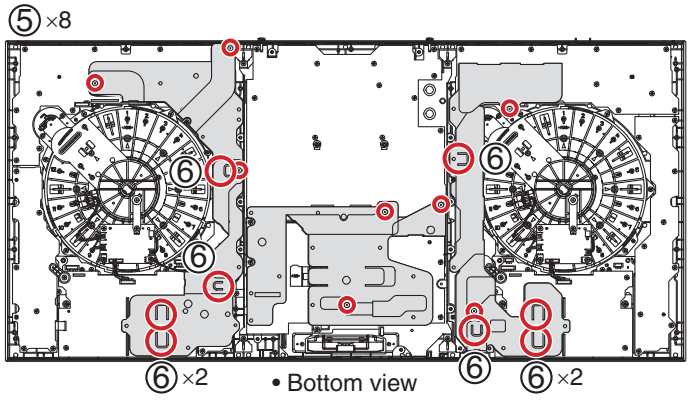
Refer to the service manual of DDJ-SZ.

[3] Deck and Mixer Sections

(1) Disconnect the 2 flexible cables and 2 connectors.
(CN6001, 6005, 7001, 7005)
(2) Release the jumper wire by unhooking the 3 hooks.
(3) Release the jumper wire.
(4) Remove the Earth lead wire by removing the 1 screw.
(BBZ30P060FTB)

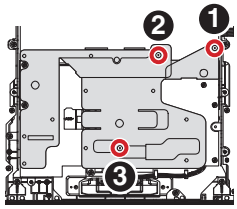


(5) Remove the 8 screws.
(BPZ30P080FNI)
(6) Release the flexible cables by unhooking the 8 hooks.

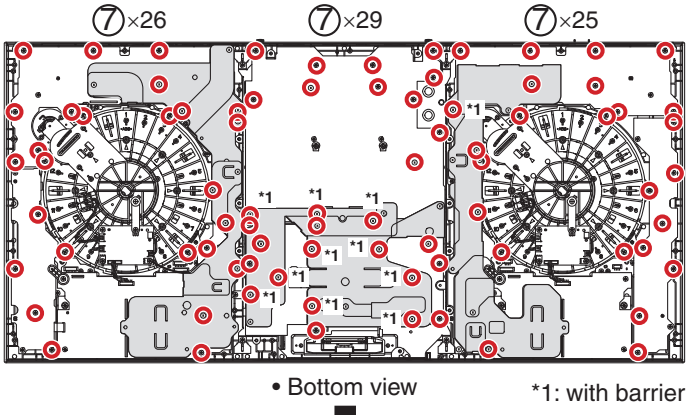


Screw tightening order

The other screws are random order.



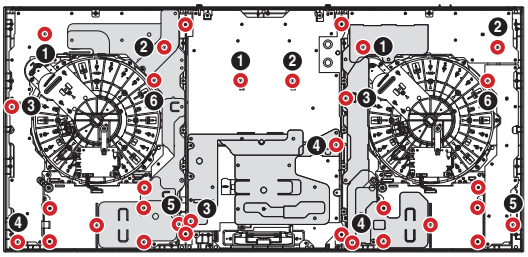
(7) Remove the 80 screws.
(BPZ30P080FNI)

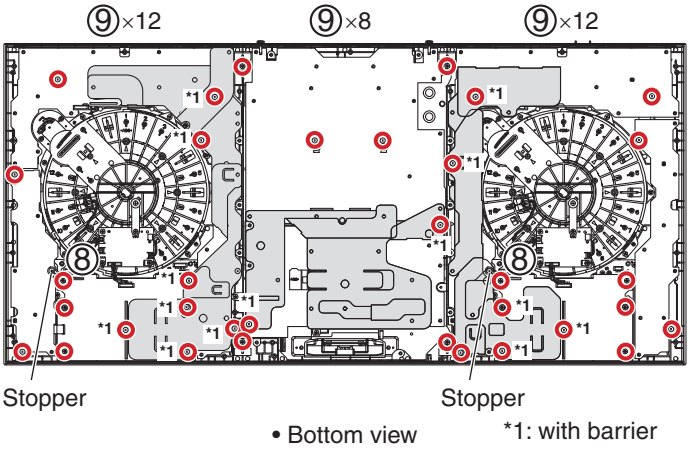


(8) Remove the 2 Stoppers, by removing the 2 screws.
(BPZ30P100FTB)
(9) Remove the 32 screws.
(BPZ30P080FNI)

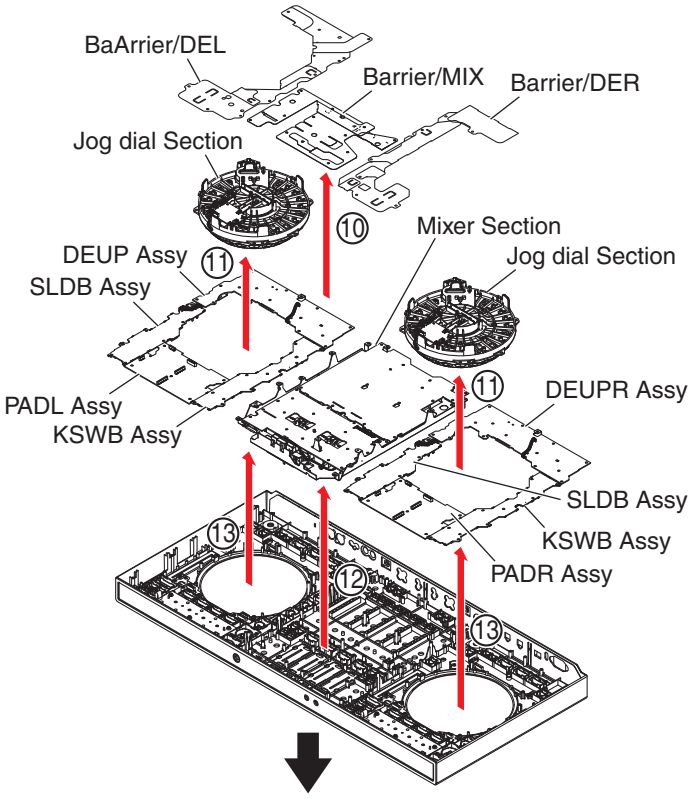
Screw tightening order

The other screws are random order.





(10) Remove the Barrier/MIX, Barrier/DEL and Barrier/DER.
(11) Remove the two Jog dial Section.
(12) Remove the Mixer Section.
(13) Remove the DEUP, DEUPR, two KSWB, two SLDB, PADL and PADR Assemblies.



• **Flexible cables, Barriers styling**

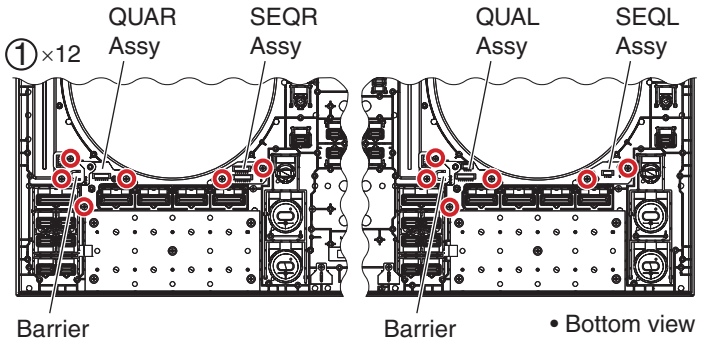
Refer to the service manual of DDJ-SZ.

• **CDCL and CDCR Assemblies**

Refer to the service manual of DDJ-SZ.

• **SEQL, QUAL, QUAR and SEQR Assemblies**

(1) Remove the SEQL, QUAL, QUAR and SEQR Assemblies with Barrier, by removing the 12 screws. (BPZ30P080FNI)



[4] Fader Section

Refer to the service manual of DDJ-SZ.

[5] Mixer Section

Refer to the service manual of DDJ-SZ.

[6] Jog dial Section

Refer to the service manual of DDJ-SZ.

8. EACH SETTING AND ADJUSTMENT

[8.3 ITEMS FOR WHICH USER SETTINGS ARE AVAILABLE], refer to Service Manual for DDJ-SZ.

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.
When the following parts are replaced, confirmation of the version of the firmware, updating to the latest version of the firmware.

- IC storing firmware and calibration value: IC3001, MAIN Assy

⇒

- Confirmation of the version of the firmware
- Updating to the latest version of the firmware
- Crossfader, PAD calibration

- CROSS FADER Assy,
  Performance pads section
  (Button/PAD, Sensor, Bracket/FSR)

⇒

- Calibration

  Details of "Calibration", see "Crossfader calibration mode", "PAD calibration mode" on "6.1 TEST MODE".

- Jog dial section component part
  (See "9.7 JOG DIAL SECTION".)

⇒

- Confirmation of the specified value by Jog dial Rotation Time measurement mode

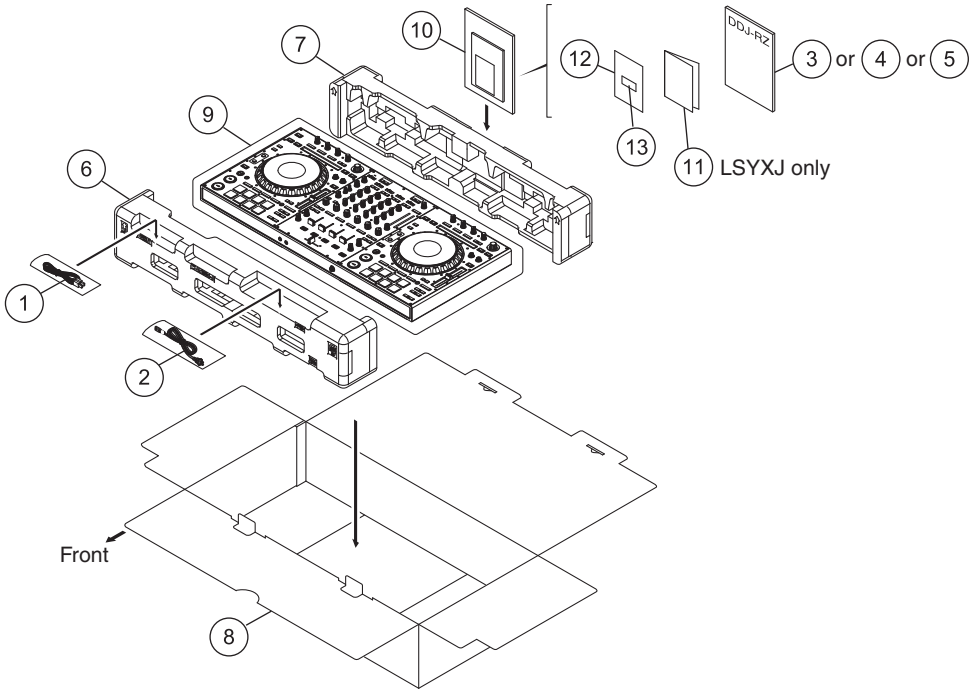
8.2 UPDATING OF THE FIRMWARE

The procedures and content of firmware updating for the DDJ-RZ are the same as those for the base model (DDJ-SZ).
For details on how to update the firmware, refer to the service manual of the DDJ-SZ.
In such a case, the model name "DDJ-SZ" should be read as "DDJ-RZ."

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 ⚠ 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 PACKING SECTION



(1) PACKING SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	USB Cable	DDE1128
⚠	2	Power Cord	See Contrast table (2)
	3	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	4	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	5	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	6	Pad/F	DHA1914
	7	Pad/R	DHA1915
	8	Packing Case	See Contrast table (2)
	9	Mirror Mat (1200*1000)	DHL1169
NSP	10	Polyethylene Bag	AHG7117
NSP	11	Warranty	See Contrast table (2)
NSP	12	Leaflet	DRM1410
NSP	13	rekordbox dj license key	DXA2304

(2) CONTRAST TABLE

DDJ-RZ/UXJCB, LSYXJ and XJCN are constructed the same except for the following:

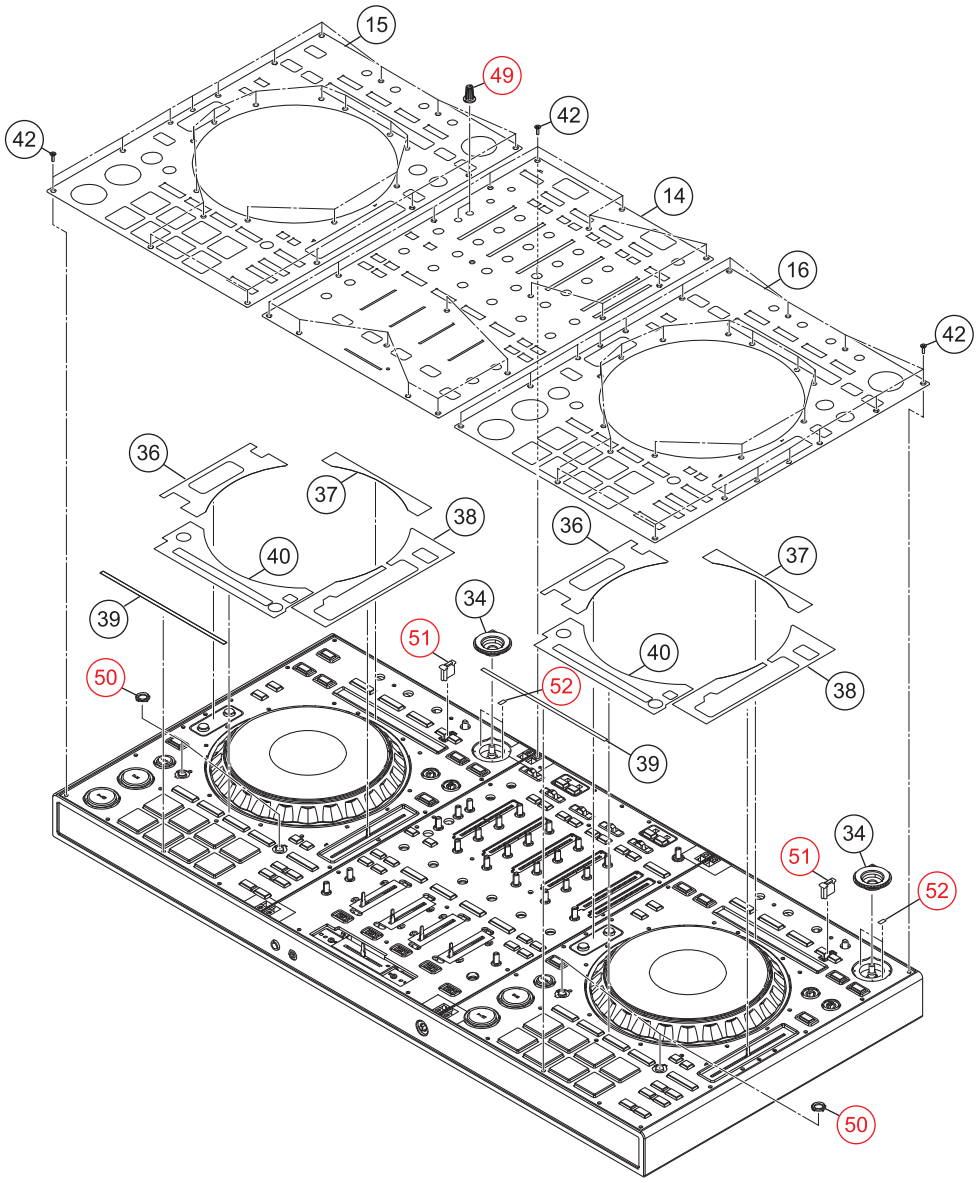
Mark	No.	Symbol and Description	DDJ-RZ/UXJCB	DDJ-RZ/LSYXJ	DDJ-RZ/XJCN
⚠	2	Power Cord	DDG1108	ADG1244	DDG1114
	3	Operating Instructions (Quick Start Guide) (En, Fr, De, It, Ne, Es, Pt, Ru)	Not used	DRH1327	Not used
	4	Operating Instructions (Quick Start Guide)(En)	DRH1326	Not used	Not used
	5	Operating Instructions (Quick Start Guide)(Zhcn)	Not used	Not used	DRH1328
	8	Packing Case	DHG3417	DHG3416	DHG3419
NSP	11	Warranty	Not used	ARY7158	Not used

9.2 TOP and CHASSIS SECTION

DDJ-SZ/UXJCB and DDJ-RZ/UXJCB, LSYXJ, XJCN are constructed the same except for the following:
For convenience of the system, the part names for the DDJ-RZ are simplified. The part names in parentheses are those for the DDJ-SZ.

Mark	No.	Symbol and Description	DDJ-SZ/UXJCB	DDJ-RZ	Remaks
	4	Knob (Rotary SW Knob (C))	DAA1180	DAA1344	
	8	Knob/BRS (Dial Knob)	DAA1259	DAA1342	
	14	Plate (Plate/MIX)	DAH2976	DAH3045	
	15	Plate (Plate/DEL)	DAH2982	DAH3046	
	16	Plate (Plate/DER)	DAH2983	DAH3047	
	31	Chassis	DNK6286	DNK6475	
	32	Shaft (Shaft/EXT)	DNK6305	DNK6410	
	38	DS Tape (DS Tape/ALR)	DEH1050	DEH1079	
	40	DS Tape (DS Tape/PAJ)	DEH1056	DEH1080	
		Knob/EQ (Knob/SHR)	DAA1333	DAA1302	No. 49
		Escutcheon	Not used	DNK6473	No. 50
		Escutcheon	Not used	DNK6474	No. 51
		DS Tape	Not used	DEH1064	No. 52

TOP and CHASSIS SECTION



9.3 TERMINAL SECTION

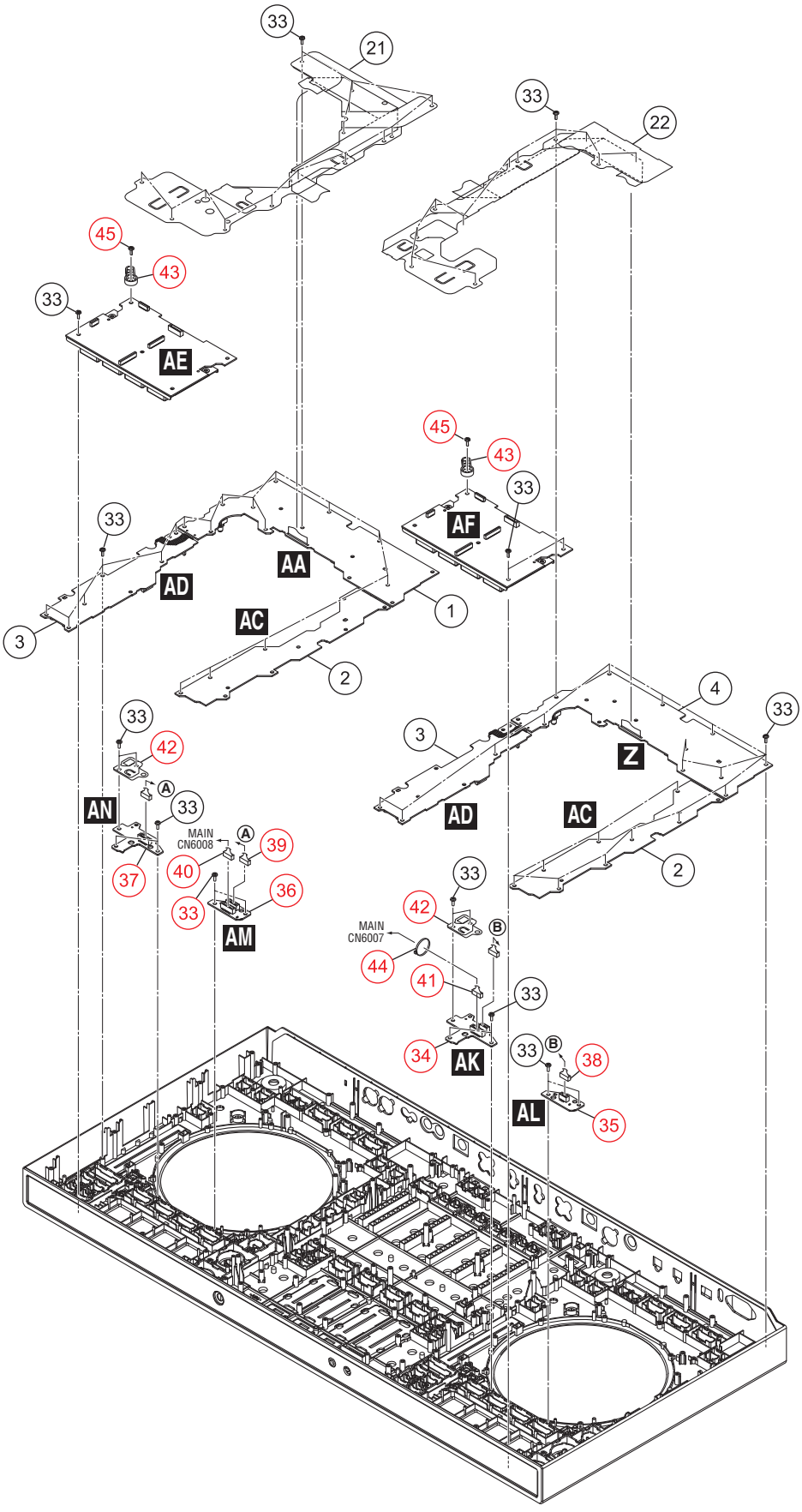
DDJ-SZ/UXJCB and DDJ-RZ/LSYXJ, UXJCB, XJCN are constructed the same except for the following:

Mark	No.	Symbol and Description	DDJ-SZ/UXJCB	DDJ-RZ
	1	MAIN Assy	DWX3535	DWX3751
	2	USBB Assy	DWX3555	DWX3752
	3	AIJK Assy	DWX3536	DWX3768
	4	AOJK Assy	DWX3537	DWX3769
	5	HPJK Assy	DWX3538	DWX3770
	6	CRFCV Assy	DWX3547	DWX3777
	7	PSWB Assy	DWX3560	DWX3755
	8	STRB Assy	DWX3585	DWX3761

9.4 CONTROL PANEL SECTION

DDJ-SZ/UXJCB and DDJ-RZ/LSYXJ, UXJCB, XJCN are constructed the same except for the following:
For convenience of the system, the part names for the DDJ-RZ are simplified. The part names in parentheses are those for the DDJ-SZ.

Mark	No.	Symbol and Description	DDJ-SZ/UXJCB	DDJ-RZ	Remaks
	1	DEUP Assy	DWX3548	DWX3760	
	2	KSWB Assy	DWX3549	DWX3757	
	3	SLDB Assy	DWX3550	DWX3758	
	4	DEUPR Assy	DWX3580	DWX3762	
	21	Barrier (Barrier/DEL)	DEC3546	DEC3631	
	22	Barrier (Barrier/DER)	DEC3547	DEC3632	
		SEQL Assy	Not used	DWX3763	No. 34
		QUAL Assy	Not used	DWX3764	No. 35
		QUAR Assy	Not used	DWX3765	No. 36
		SEQR Assy	Not used	DWX3766	No. 37
		Connector Assy	Not used	PF04PP-B17	No. 38
		Connector Assy	Not used	PF07PP-B17	No. 39
		Crimp Connector	Not used	PF08PP-B12	No. 40
		Crimp Connector	Not used	PF08PP-B17	No. 41
		Barrier	Not used	DEC3630	No. 42
		Stopper	Not used	DNK6532	No. 43
		Binder	Not used	ZCA-SKB90BK	No. 44
		Screw	BPZ30P080FNI	BPZ30P100FTB	No. 45


33
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AE
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43
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AF
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AD
AA
AC
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3
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42
AN
A
33
MAIN
CN6008
A
39
40
37
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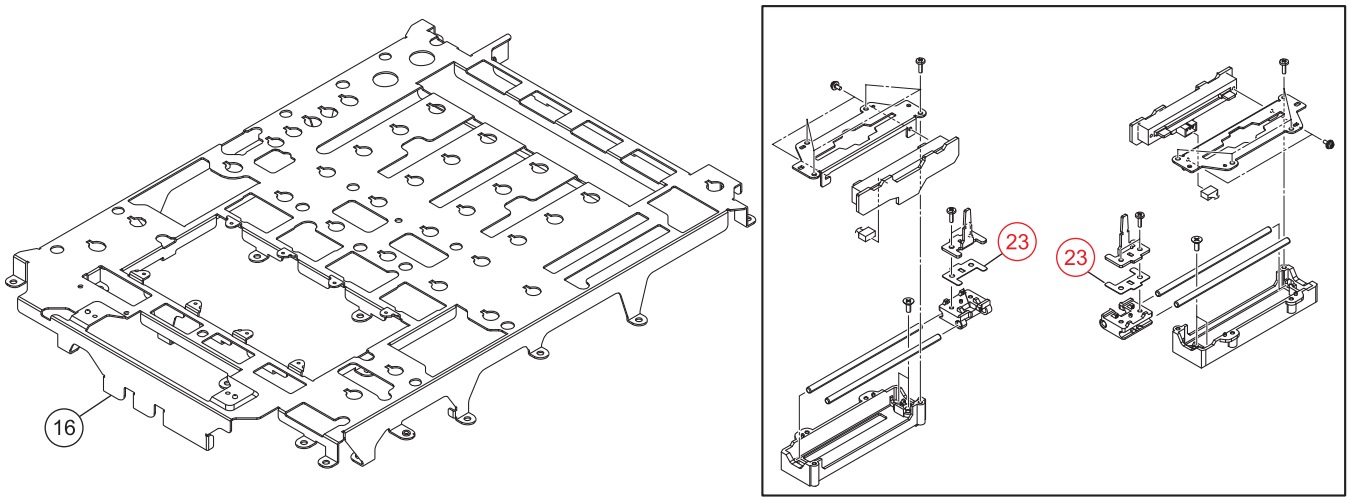
36
AM
3
4
33
Z
AD
AC
2
33
42
MAIN
CN6007
B
44
41
33
34
AK
33
B
38
AL
35

9.5 MIXER SECTION

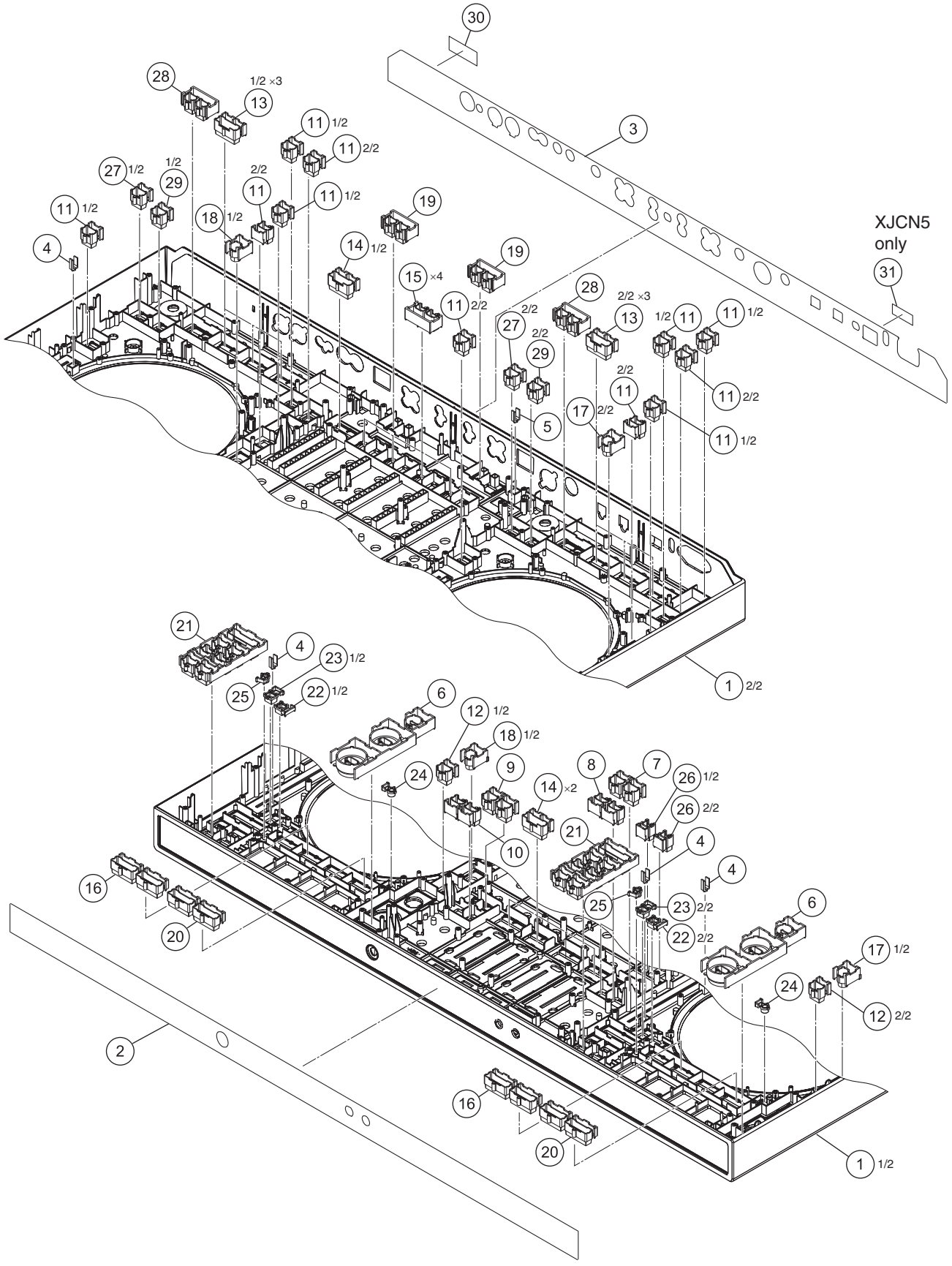
DDJ-SZ/UXJCB and DDJ-RZ/LSYXJ, UXJCB, XJCN are constructed the same except for the following:
For convenience of the system, the part names for the DDJ-RZ are simplified. The part names in parentheses are those for the DDJ-SZ.

Mark	No.	Symbol and Description	DDJ-SZ/UXJCB	DDJ-RZ	Remaks
	1	MXRA Assy	DWX3543	DWX3753	
	2	MXRB Assy	DWX3544	DWX3767	
	3	FAD1 Assy	DWX3540	DWX3772	
	4	FAD2 Assy	DWX3541	DWX3773	
	5	FAD3 Assy	DWX3539	DWX3771	
	6	FAD4 Assy	DWX3542	DWX3774	
	16	Stay (Stay/MIX)	DND1280	DND1285	
		Spacer/CHF	Not used	DEC3558	No. 23

MIXER SECTION



9.6 PANEL and BUTTON SECTION



(1) PANEL and BUTTON SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Control Panel	DNK6531
	2	Sheet	DAH3068
	3	Sheet	See Contrast table (2)
	4	Lens/TMP	DNK6307
	5	Lens/MIC	DNK6308
	6	Button	DAC3161
	7	Button	DAC3160
	8	Button/CX2	DAC2984
	9	Button	DAC3154
	10	Button/FX2	DAC2986
	11	Button	DAC3125
	12	Button/SHT	DAC2989
	13	Button/ON	DAC2991
	14	Button	DAC3155
	15	Button/FX	DAC2995
	16	Button/PM2	DAC2997
	17	Button/DEL	DAC3000
	18	Button/DER	DAC3001
	19	Button	DAC3156
	20	Button	DAC3158
	21	Button	DAC3128
	22	Button	DAC3120
	23	Button	DAC3121
	24	Button	DAC3122
	25	Button	DAC3123
	26	Button	DAC3124
	27	Button	DAC3127
	28	Button	DAC3157
	29	Button	DAC3159
NSP	30	Serial Label (UPC)	DRW2311
NSP	31	Name Label	See Contrast table (2)

(2) CONTRAST TABLE

DDJ-RZ/UXJCB, LSYXJ and XJCN are constructed the same except for the following:

Mark	No.	Symbol and Description	DDJ-RZ/UXJCB	DDJ-RZ/LSYXJ	DDJ-RZ/XJCN
	3	Sheet	DAH3088	DAH3088	DAH3070
NSP	31	Name Label	Not used	Not used	DAL1289

9.7 JOG DIAL SECTION

DDJ-SZ/UXJCB and DDJ-RZ/LSYXJ, UXJCB, XJCN are constructed the same except for the following:

For convenience of the system, the part names for the DDJ-RZ are simplified. The part names in parentheses are those for the DDJ-SZ.

Mark	No.	Symbol and Description	DDJ-SZ/UXJCB	DDJ-RZ
	1	JFLL Assy	DWX3545	DWX3775
	2	JFLR Assy	DWX3546	DWX3776
	3	JLL1 Assy	DWX3556	DWX3778
	4	JLL2 Assy	DWX3557	DWX3779
	5	JLL3 Assy	DWX3558	DWX3781
	6	JLL4 Assy	DWX3559	DWX3782
	7	JLR1 Assy	DWX3561	DWX3783
	8	JLR2 Assy	DWX3562	DWX3784
	9	JLR3 Assy	DWX3563	DWX3785
	10	JLR4 Assy	DWX3564	DWX3786
	11	JOGTL Assy	DWX3551	DWX3754
	12	JOGTR Assy	DWX3565	DWX3756
	13	JOGR Assy	DWX3552	DWX3759
	18	Plate (Plate/JOG)	DAH2915	DAH3048
	37	Jog Dial (Jog Dial/BAS)	DNK6270	DNK6408
	38	Jog Dial (Jog Dial/A)	DNK6271	DNK6409
	39	Jog Dial (Jog Dial/B)	DNK6272	DNK6476
	47	Screw	IMZ30P060FTB	DBA1442