

# DDJ-SX

## Hardware Diagram for TRAKTOR PR0 2 ver. 2.6.5



GROUP	No.	NAME		FUNCTION	+SHIFT	
1, DECK COMMON						
	1	JOG	platter	Scratch (Vinyl on)	Seek *	
				Pitch Bend (Vinyl off)		
		wheel side	Pitch Bend			
	2	TEMPO		Tempo Control		
	3	KEYLOCK		Keylock on/off	Tempo Range	
			long press	Tempo Reset		
	4	DECK 1-4		Select Deck 1-4		
	5	SYNC		Sync on/off	Master	
	6	LOOP IN		Loop In		
	7	LOOP OUT		Loop Out	Loop Out/Exit	
	8	VINYL		Vinyl Mode on/off		
	9	CENSOR (REVERSE)		Advanced Panel +	Advanced Panel -	
	10	SLIP		Flux Mode on/off		
11	SHIFT		Shift			
12	PANEL SELECT		2 Track Decks + 2 Remix Decks	4 Track Decks		
13	Takeover Indicator					
TRACK DECK						
	14	PLAY/PAUSE		Play/Pause	Cup	
	15	CUE		Cue	Jump to Track Start	
	16	AUTO LOOP		Auto Loop on/off	Loop Active	
	17	LOOP 1/2X		Loop Size Select -	Loop Move Left	
	18	LOOP 2X		Loop Size Select +	Loop Move Right	
	19	NEEDLE SEARCH		Needle Search		
	20	DUAL DECK	left	Dual Deck Mode on/off (Deck1 and Deck3)		
			right	Dual Deck Mode on/off (Deck2 and Deck4)		
	22	GRID ADJUST		BPM Adjust	Set Beat Grid	
	23	GRID SLIDE		Move Beat Grid	Delete Beat Grid	
	REMIX DECK (DECK3/4)					
		16	PLAY/PAUSE		Play All Slots	
		17	CUE		Trigger All Slots	
18		AUTO LOOP		Auto Loop on/off	Remix Deck Quantize on/off	
19		LOOP 1/2X		Loop Size Select -	Remix Deck Quant. Size Select -	
20		LOOP 2X		Loop Size Select +	Remix Deck Quant. Size Select +	
21		NEEDLE SEARCH				
22		GRID ADJUST				
23		GRID SLIDE				
2, EFFECT COMMON						
*The knobs and buttons of 1-8 control FX1/2 when Deck 1/2 is selected, and FX3/4 when Deck 3/4 is selected.						
	9	FX1		FX1 Assign on/off	FX3 Assign on/off	
	10	FX2		FX2 Assign on/off	FX4 Assign on/off	
FX Group Mode						
	1	1		Effect1 Level Adjust		
	2	2		Effect2 Level Adjust		
	3	3		Effect3 Level Adjust		
	4	BEATS		Dry/Wet Adjust		
	5	ON		Effect1 on/off	Effect select	
	6	ON		Effect2 on/off	Effect select	
	7	ON		Effect3 on/off	Effect select	
	8	TAP			Single/Group Mode Change	
FX Single Mode						
	1	1		Effect Parameter1 Adjust		
	2	2		Effect Parameter2 Adjust		
	3	3		Effect Parameter3 Adjust		
	4	BEATS		Dry/Wet Adjust		
	5	ON		Effect Parameters Reset	Effect select	
	6	ON		Effect Parameter Button1		
	7	ON		Effect Parameter Button2		
	8	TAP		Effect on/off	Single/Group Mode Change	

GROUP	No.	NAME		FUNCTION	+SHIFT
3, MIXER					
	1	CROSSFADER		Crossfader	
	2	CH FADER		Channel Fader	
	3	TRIM		Gain	
	4	HI		EQ (High)	
	5	MID		EQ (Mid)	
	6	LOW		EQ (Low)	
	7	FILTER		Channel Filter	
	8	CUE	<div>except MIC</div> <div>MIC</div>	Headphone Monitor on/off MIC Talk Over on/off	Tap BPM
	9	MASTER LEVEL		Master Out Volume	
	10	MASTER CUE		Master Out Monitor on/off	
	11	CROSSFADER	<div>A</div> <div>THRU</div> <div>B</div>	Assign to Left Deck Through Assign to Right Deck	
	12	MASTER LEVEL Indicator		Master Level Indicator	
	13	CH LEVEL Indicator		Channel Level Indicator	
	14	HEADPHONES MIX		Monitor Balance	
	15	SAMPLER VOLUME			
	16	BOOTH MONITOR LEVEL		Booth Out Volume	
4, FRONT PANEL					
	1	CROSS F. CURVE		Crossfader Curve	
	2	INPUT SELECT		PC/External input select	
	3	HEADPHONES LEVEL		Monitor Volume	
5, BROWSER					
	1	BROWSE	<div>rotate</div> <div>press</div>	Track list scroll Only Browser Mode	Browser Tree scroll Folder open/close
	2	BACK		Sample Cell Delete Mode	Snap
	3	LOAD PREPARE		Sample Cell Capture Mode	Quantize
	4	LOAD		Load	
6, PERFORMANCE PADS					
COMMON					
	9	HOT CUE		Hot Cue Mode (Track Deck) Slot Parameter Mode (Remix Deck)	
	10	ROLL		Instant FX Mode1	
	11	SLICER		Instant FX Mode2	
	12	SAMPLER		Sampler Mode	
	1	PERFORMANCE PAD 1	<div>mode</div> <div>Roll</div> <div>Slicer</div>	Reverb FX BeatSlicer FX	
	2	PERFORMANCE PAD 2	<div>mode</div> <div>Roll</div> <div>Slicer</div>	DelayT3 (1/8 beat) FX PhaserFlux FX	
	3	PERFORMANCE PAD 3	<div>mode</div> <div>Roll</div> <div>Slicer</div>	Filter:92LFO FX DelayT3 (3/16 beat) FX	
	4	PERFORMANCE PAD 4	<div>mode</div> <div>Roll</div> <div>Slicer</div>	Delay FX (Freeze Mode) Delay FX (Freeze Mode)	
	5	PERFORMANCE PAD 5	<div>mode</div> <div>Roll</div> <div>Slicer</div>	Beatmasher2 #1 FX Gater#1 FX	
	6	PERFORMANCE PAD 6	<div>mode</div> <div>Roll</div> <div>Slicer</div>	Beatmasher2 #2 FX Gater#2 FX	
	7	PERFORMANCE PAD 7	<div>mode</div> <div>Roll</div> <div>Slicer</div>	Beatmasher2 #3 FX FilterLFO FX	
	8	PERFORMANCE PAD 8	<div>mode</div> <div>Roll</div> <div>Slicer</div>	Beatmasher2 #4 FX DigitalLoFi FX	

GROUP	No.	NAME		FUNCTION	+SHIFT
TRACK DECK					
4 Track Decks					
1-8	PERFORMANCE PAD 1-8	mode			
		Hot Cue	Hot cue1-8	Delete Hot cue1-8	
		Sampler			
		Velocity			
TRACK DECK (DECK1/2)					
2 Track Decks+2 Remix Decks					
1-8	PERFORMANCE PAD 1-8	mode			
		Hot Cue	Hot cue1-8	Delete Hot cue1-8	
		Sampler	Sample Cell Play *	Sample Cell Stop	
		*For details, see "Remix Deck" on next page.			
Velocity	Sample Cell Play/Volume	Sample Cell Stop			
REMIX DECK (DECK3/4)					
2 Track Decks+2 Remix Decks					
1	PERFORMANCE PAD 1	mode			
		Hot Cue	Slot1 Keylock on/off	Slot1 Monitor on/off	
		Sampler	Sample Cell Play :[A]or[I]	Sample Cell Stop :[A]or[I]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
2	PERFORMANCE PAD 2	mode			
		Hot Cue	Slot2 Keylock on/off	Slot2 Monitor on/off	
		Sampler	Sample Cell Play :[B]or[J]	Sample Cell Stop :[B]or[J]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
3	PERFORMANCE PAD 3	mode			
		Hot Cue	Slot3 Keylock on/off	Slot3 Monitor on/off	
		Sampler	Sample Cell Play :[C]or[K]	Sample Cell Stop :[C]or[K]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
4	PERFORMANCE PAD 4	mode			
		Hot Cue	Slot4 Keylock on/off	Slot4 Monitor on/off	
		Sampler	Sample Cell Play :[D]or[L]	Sample Cell Stop :[D]or[L]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
5	PERFORMANCE PAD 5	mode			
		Hot Cue	Slot1 FX on/off	Slot1 Punch Mode on/off	
		Sampler	Sample Cell Play :[E]or[M]	Sample Cell Stop :[E]or[M]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
6	PERFORMANCE PAD 6	mode			
		Hot Cue	Slot2 FX on/off	Slot2 Punch Mode on/off	
		Sampler	Sample Cell Play :[F]or[N]	Sample Cell Stop :[F]or[N]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
7	PERFORMANCE PAD 7	mode			
		Hot Cue	Slot3 FX on/off	Slot3 Punch Mode on/off	
		Sampler	Sample Cell Play :[G]or[O]	Sample Cell Stop :[G]or[O]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
8	PERFORMANCE PAD 8	mode			
		Hot Cue	Slot4 FX on/off	Slot4 Punch Mode on/off	
		Sampler	Sample Cell Play :[H]or[P]	Sample Cell Stop :[H]or[P]	
		Velocity	Sample Cell Play/Volume	Sample Cell Stop	
COMMON					
13	PARAMETER (◀)	mode			
		HOT CUE	Pitch Bend -		
		ROLL	FX Hold Mode		
		SLICER	FX Hold Mode		
14	PARAMETER (▶)	mode			
		HOT CUE	Pitch Bend +		
		ROLL			
		SLICER			
2 Track Decks+2 Remix Decks					
13	PARAMETER (◀)	mode			
		SAMPLER	Sample Cell select :[A]to[H]	Sampler Page Select -	
14	PARAMETER (▶)	mode			
		SAMPLER	Sample Cell select :[I]to[P]	Sampler Page Select +	

# NOTES

## Importing the settings file

Be sure to see the Import Guide before importing the settings file(TSI file) for this controller.  
You can download the Import Guide from [this website](#).

## Changing this unit's settings

To use as a controller to operate TRAKTOR PRO 2 software, switch to the setting for using software other than the Serato DJ software in the Utilities Mode.

- 1) Disconnect the USB cable from your computer.
- 2) Press the STANDBY/ON switch on this unit's rear panel to set this unit's power to standby.
- 3) While pressing both the SHIFT and PLAY/PAUSE buttons on the left deck, press the STANDBY/ON switch on this unit's rear panel.
- 4) Press the KEY LOCK button on the left deck. ⇒ KEY LOCK button is lit.
- 5) Press the STANDBY/ON switch on this unit's rear panel to set this unit's power to standby.

## Deck layout

This unit supports [2 Track Decks+2 Remix Decks] and [4 Track Decks].

The functions to be controlled in each deck layout is different depending on the deck selection.

[2 Track Decks+2 Remix Decks]



[4 Track Decks]



- ✦ The deck layout can be switched by pressing the [PANEL SELECT] button or [SHIFT+PANEL SELECT] buttons.
- ✦ Please note that all the loaded tracks will be unloaded when the deck layout is switched.

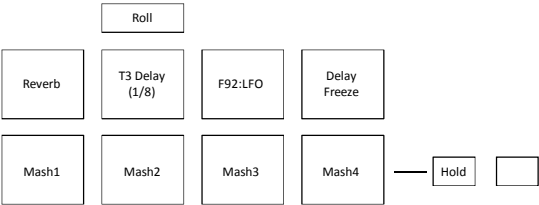
## Instant FX

Instant FX is a function where an effect assigned to each PAD can be activated automatically only by pressing the PAD. Instant FX can be used in ROLL mode or SLICER mode. The following effects are assigned to the PADs.

When a PAD is pressed, the effect and the parameter assigned to the PAD will be automatically selected to activate the effect on the active deck, and when the finger is released from the PAD, the effect is turned off. The selected effect can be held if the PARAMETER (◀) button is pressed while pressing the PAD.

- ✦ Only Delay Freeze effect on PAD4 toggles on and off.

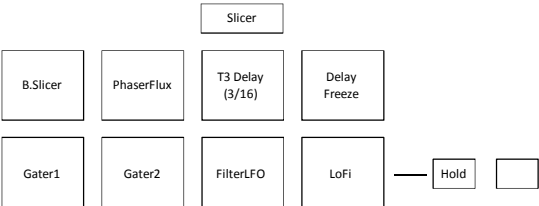
### ■ Instant FX mode 1



- ✦ Additional effect (ComboFX 1/2) will be activated when multiple PADs are pressed repeatedly in the same order in Instant FX mode.

ComboFX1 : Mash1 + Mash2 + Mash3 + Mash4 (Randomly pressed in any order) ⇒ Transpose Stretch  
ComboFX2 : Mash2 ⇒ Mash3 ⇒ T3Delay ⇒ F92:LFO ⇒ Long Break

### ■ Instant FX mode 2



• All the four effect units of TRAKTOR PRO 2 are used for the Instant FX mode. Also, Group mode should be selected for FX 1, FX 2 and FX 3, and Single mode should be selected for FX 4.  
Please note that if users change these settings, some Instant FX may not be used.

• When using Instant FX on the Remix deck, FX of the Slot Parameters of each Sample Slot should be turned on.

• The LEDs of the PADs may not be lit or turned off depending on the operation.

• If different effects from the already assigned ones are displayed, please import the settings file (TSI file) again.

When different Instant FX modes are used as PAD mode on the left and right decks and you want to activate an FX on the right deck and an FX on the left deck continuously, for example in order of PhaserFlux -> Rerverb or Rerverb -> PhaserFlux, a PAD mode button should be pressed before pressing the PAD on another deck.

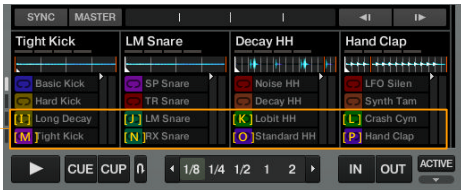
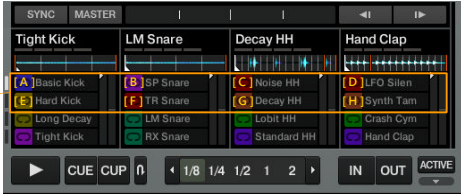
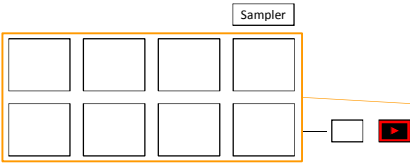
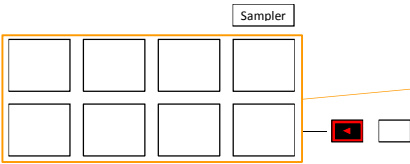
An example when the left PAD mode is Instant FX mode1 (ROLL mode) and the right PAD mode is Instant FX mode 2 (SLICER mode):

- 1) Press PAD1 on the left deck to activate Reverb.
- 2) Press the SLICER mode button on the right deck.
- 3) Press PAD2 on the right deck to activate PhaserFlux.

## Remix Deck

The Sampler Cell [A] to [H] and Sample Cell [I] to [P] of the Remix Deck can be switched by pressing the PAMAMETER button as shown below.

A page of the Remix Deck can be selected by pressing SHIFT+PARAMETER buttons.



### ■ Sample Cell capture mode

When a PAD is pressed while pressing the LOAD PREPARE button, a track loaded to Deck A (or B) is cut and captured (copied) to the Sample Cell of Deck C (or D).

The Sample is captured in Deck A (or B) in the same length as Auto Loop.

### ■ Sample Cell delete mode

When a PAD is pressed while pressing the BACK button, a track in the Sample Cell will be deleted.

• When the PLAY/PAUSE button on Deck C or D is pressed to play all the Sample Slots, they all start playing from the beginning of the Sample Slot. The previously-played Sample Cell is selected.

When the PLAY/PAUSE button is pressed again, the Sample Slot pauses but the PLAY/PAUSE button (also PLAY/PAUSE button on the computer screen) continues to be lit.

• When the PLAY/PAUSE button on Deck C or D is pressed to play all the Sample Slot, the Auto Loop function is disabled.

After playing all the Sample Slots and when the CUE button is pressed to trigger the playback of all the Sample Slots once or more, the Auto Loop function is enabled.

• When a mouse is used to change pages on the Remix Deck, the PADs on this controller may not control the Sample Cell properly.

• On the Remix Deck, the Search function as well as the KEYLOCK button to enable and disable the Key Lock is not available.

## Dual Deck mode

Dual Deck mode is available when [4 Track Decks] is selected for the deck layout.

If [2 Track Decks+2 Remix Decks] is selected for the deck layout, Dual Deck mode will not work properly.

The following functions can be controlled on both decks simultaneously in Dual Deck mode.

- ✦ Only on the decks where the Deck button is lit , tempo can be adjusted and tempo range can be selected.

Buttons and knobs to be controlled	Function	Buttons and knobs to be controlled	Function
JOG DIAL	Scratch, Pitch bend, Search, Slip scratch	SLICER mode button	SLICER mode
VINYL button	VINYL mode	SAMPLER mode button	SAMPLER mode
KEY LOCK button	Key lock, Tempo reset, Tempo range	Performance pad	Hot Cue, Hot Cue delete, Slip Hot Cue *Some restrictions exist in Instant FX mode1/2 *Sampler function is not available.
AUTO LOOP button	Auto Loop, Loop Active, Slip Auto Loop	PARAMETER button	Pitch bend
LOOP 1/2X button	Select Loop length, Loop move	PLAY/PAUSE button	Play/Pause
LOOP 2X button	Select Loop length, Loop move	CUE button	Set Cue, Back Cue, Cue Sampler
LOOP IN button	Loop in	SYNC button	SYNC
LOOP OUT button	Loop out	SLIP button	Flux mode
HOT CUE mode button	HOT CUE mode	CENSOR button	Show Advanced Panel
ROLL mode button	ROLL mode	NEEDLE SEARCH pad	NEEDLE SEARCH

### ■ Deck State mirroring function

When deck states of the decks are different in VINYL mode and PAD mode, deck state is automatically switched to that of a deck where the DECK button is lit.

However, Flux mode is not applicable to the above.

## External input

When the INPUT SELECT is switched to other than PC to use external source, audio from Track deck and Remix deck on TRAKTOR PRO 2 will not be automatically muted.

If you want to stop the audio, press the PLAY/PAUSE button to stop the playback on Track deck or Remix deck.

When the TRIM, EQ, CH fader, etc. are controlled to adjust the audio of external source, the MIXER function of the Traktor software is also controlled at the same time.

## Recording

DJ sets can be recorded using the recording function of TRAKTOR PRO 2. Master Out audio including MIC and other external input can be recorded.

## Others

Even though the knobs of MASTER LEVEL, HEADPHONES LEVEL and HEADPHONES MIX are controlled, the corresponding knobs on TRAKTOR PRO 2 screen cannot be controlled.

Turn the Headphone MIX knob on the TRAKTOR PRO 2 screen farthest to the left. It is recommended to place the MAIN level (Master Output Level) knob and the Headphone

VOL knob on the TRAKTOR PRO 2 screen at 2 o'clock position.

(If you double click these knobs on the computer screen, they automatically turn to 2 o'clock position.)

To adjust and move the beatgrid, press the GRID ADJUST/SLIDE button and turn the Jog platter at the same time. This is valid only when Vinyl is on.