

DDJ-SP1

Hardware Diagram for TRAKTOR PRO 2



Group	No.	Name	Operation	Deck A, B (Track Deck)	Deck C, D (Remix Deck)
			Function	Function	Function
Browse	B1	BROWSE	Turn	Move a cursor within the track list	Move a cursor within the track list
	B2	BACK	Press	Zoom in/out the Browse screen	Zoom in/out the Browse screen
	B3	LOAD PREPARE	Press	When a pad is pressed while pressing this button, the track loaded in Deck A(B) is cut off. Then the cut track is copied to Deck C(D).	When a pad is pressed while pressing this button, the track loaded in Deck A(B) is cut off. Then the cut track is copied to Deck C(D).
	B4	LOAD	Press	Load a track	Load a Remix Set
Mixer	M1	DECK 3	Press	Switch Deck A/C	Switch Deck A/C
	M2	DECK 4	Press	Switch Deck B/D	Switch Deck B/D
	M3	SAMPLER VOL	Move the slider	Adjust Deck Volume with Deck Focus	Adjust Deck Volume with Deck Focus
Deck	D1	SYNC	Press	Sync with the tempo of Master Deck	Sync with the tempo of Master Deck
	D2	SLIP	Press	Flux Mode On/Off	Flux Mode On/Off
	D3	CENSOR	Press	PLAY/PAUSE	PLAY/PAUSE for all Sample Slots
	D4	AUTO LOOP	Press	Adjust Loop length	Adjust Loop length
Effect	E1-1	FX 1 EFFECT PARAMETER 1	Turn	Adjust Amount of Effect 1 on FX 1	Adjust Amount of Effect 1 on FX 1
	E2-1	FX 1 EFFECT PARAMETER 2	Turn	Adjust Amount of Effect 2 on FX 1	Adjust Amount of Effect 2 on FX 1
	E3-1	FX 1 EFFECT PARAMETER 3	Turn	Adjust Amount of Effect 3 on FX 1	Adjust Amount of Effect 3 on FX 1
	E4-1	FX 1 BEATS	Turn	Adjust Dry/Wet for FX 1	Adjust Dry/Wet for FX 1
	E5-1	FX 1 EFFECT PARAMETER 1	Press	Effect 1 on FX 1 On/Off	Effect 1 on FX 1 On/Off
	E6-1	FX 1 EFFECT PARAMETER 2	Press	Effect 2 on FX 1 On/Off	Effect 2 on FX 1 On/Off
	E7-1	FX 1 EFFECT PARAMETER 3	Press	Effect 3 on FX 1 On/Off	Effect 3 on FX 1 On/Off
	E8-1	FX 1 TAP	Press	Select Single Mode/Group Mode for FX 1	Select Single Mode/Group Mode for FX 1
	E9-1	FX 2 EFFECT PARAMETER 1	Turn	Adjust Amount of Effect 1 on FX 2	Adjust Amount of Effect 1 on FX 2
	E10-1	FX 2 EFFECT PARAMETER 2	Turn	Adjust Amount of Effect 2 on FX 2	Adjust Amount of Effect 2 on FX 2
	E11-1	FX 2 EFFECT PARAMETER 3	Turn	Adjust Amount of Effect 3 on FX 2	Adjust Amount of Effect 3 on FX 2
	E12-1	FX 2 BEATS	Turn	Adjust Dry/Wet for FX 2	Adjust Dry/Wet for FX 2
	E13-1	FX 2 EFFECT PARAMETER 1	Press	Effect 1 on FX 2 On/Off	Effect 1 on FX 2 On/Off
	E14-1	FX 2 EFFECT PARAMETER 2	Press	Effect 2 on FX 2 On/Off	Effect 2 on FX 2 On/Off
	E15-1	FX 2 EFFECT PARAMETER 3	Press	Effect 3 on FX 2 On/Off	Effect 3 on FX 2 On/Off
	E16-1	FX 2 TAP	Press	Select Single Mode/Group Mode for FX 2	Select Single Mode/Group Mode for FX 2
	E17-1	FX 1 EFFECT PARAMETER 1	Turn	Adjust Effect Parameter 1 on FX 1	Adjust Effect Parameter 1 on FX 1
	E18-1	FX 1 EFFECT PARAMETER 2	Turn	Adjust Effect Parameter 2 on FX 1	Adjust Effect Parameter 2 on FX 1
	E19-1	FX 1 EFFECT PARAMETER 3	Turn	Adjust Effect Parameter 3 on FX 1	Adjust Effect Parameter 3 on FX 1
	E20-1	FX 1 BEATS	Turn	Adjust Dry/Wet for FX 1	Adjust Dry/Wet for FX 1
	E21-1	FX 1 EFFECT PARAMETER 1	Press	Reset all Effect Parameters on FX 1	Reset all Effect Parameters on FX 1
	E22-1	FX 1 EFFECT PARAMETER 2	Press	Effect Button 1 on FX 1 On/Off	Effect Button 1 on FX 1 On/Off
	E23-1	FX 1 EFFECT PARAMETER 3	Press	Effect Button 2 on FX 1 On/Off	Effect Button 2 on FX 1 On/Off
	E24-1	FX 1 TAP	Press	Select Single Mode/Group Mode for FX 1	Select Single Mode/Group Mode for FX 1
E25-1	FX 2 EFFECT PARAMETER 1	Turn	Adjust Effect Parameter 1 on FX 2	Adjust Effect Parameter 1 on FX 2	
E26-1	FX 2 EFFECT PARAMETER 2	Turn	Adjust Effect Parameter 2 on FX 2	Adjust Effect Parameter 2 on FX 2	
E27-1	FX 2 EFFECT PARAMETER 3	Turn	Adjust Effect Parameter 3 on FX 2	Adjust Effect Parameter 3 on FX 2	
E28-1	FX 2 BEATS	Turn	Adjust Dry/Wet for FX 2	Adjust Dry/Wet for FX 2	
E29-1	FX 2 EFFECT PARAMETER 1	Press	Reset all Effect Parameters on FX 2	Reset all Effect Parameters on FX 2	
E30-1	FX 2 EFFECT PARAMETER 2	Press	Effect Button 1 on FX 2 On/Off	Effect Button 1 on FX 2 On/Off	
E31-1	FX 2 EFFECT PARAMETER 3	Press	Effect Button 2 on FX 2 On/Off	Effect Button 2 on FX 2 On/Off	
E32-1	FX 2 TAP	Press	Select Single Mode/Group Mode for FX 2	Select Single Mode/Group Mode for FX 2	
E33-1	FX 1 ASSIGN 1	Press	Assign FX 1 to Deck A	Assign FX 1 to Deck A	
E34-1	FX 1 ASSIGN 2	Press	Assign FX 1 to Deck B	Assign FX 1 to Deck B	
E35-1	FX 2 ASSIGN 1	Press	Assign FX 2 to Deck A	Assign FX 2 to Deck A	
E36-1	FX 2 ASSIGN 2	Press	Assign FX 2 to Deck B	Assign FX 2 to Deck B	
Performance Pad	P1	PAD 1	Press	Set/Play Hot Cue Point 1	Cancel Hot Cue Point 1
	P2	PAD 2	Press	Set/Play Hot Cue Point 2	Cancel Hot Cue Point 2
	P3	PAD 3	Press	Set/Play Hot Cue Point 3	Cancel Hot Cue Point 3
	P4	PAD 4	Press	Set/Play Hot Cue Point 4	Cancel Hot Cue Point 4
	P5	PAD 5	Press	Set/Play Hot Cue Point 5	Cancel Hot Cue Point 5
	P6	PAD 6	Press	Set/Play Hot Cue Point 6	Cancel Hot Cue Point 6
	P7	PAD 7	Press	Set/Play Hot Cue Point 7	Cancel Hot Cue Point 7
	P8	PAD 8	Press	Set/Play Hot Cue Point 8	Cancel Hot Cue Point 8
	P1	PAD 1	Press	Turn on the Reverb effect on FX 2 while pad 1 is pressed	Turn on the Reverb effect on FX 2 while pad 1 is pressed
	P2	PAD 2	Press	Turn on the Delay T3 effect on FX 3 while pad 2 is pressed	Turn on the Delay T3 effect on FX 3 while pad 2 is pressed
	P3	PAD 3	Press	Turn on the Filter/2 LFO effect on FX 3 while pad 3 is pressed	Turn on the Filter/2 LFO effect on FX 3 while pad 3 is pressed
	P4	PAD 4	Press	The Delay effect on FX 4 On/Off	The Delay effect on FX 4 On/Off
	P5	PAD 5	Press	Turn on the Beatmasher2 effect on FX 2 while pad 5 is pressed	Turn on the Beatmasher2 effect on FX 2 while pad 5 is pressed
	P6	PAD 6	Press	Turn on the Beatmasher2 effect on FX 2 while pad 6 is pressed	Turn on the Beatmasher2 effect on FX 2 while pad 6 is pressed
	P7	PAD 7	Press	Turn on the Beatmasher2 effect on FX 2 while pad 7 is pressed	Turn on the Beatmasher2 effect on FX 2 while pad 7 is pressed
	P8	PAD 8	Press	Turn on the Beatmasher2 effect on FX 2 while pad 8 is pressed	Turn on the Beatmasher2 effect on FX 2 while pad 8 is pressed
P1	PAD 1	Press	Turn on the BeatSlicer effect on FX 2 while pad 1 is pressed	Turn on the BeatSlicer effect on FX 2 while pad 1 is pressed	
P2	PAD 2	Press	Turn on the Phaser Flux effect on FX 2 while pad 2 is pressed	Turn on the Phaser Flux effect on FX 2 while pad 2 is pressed	
P3	PAD 3	Press	Turn on the Delay T3 effect on FX 3 while pad 3 is pressed	Turn on the Delay T3 effect on FX 3 while pad 3 is pressed	
P4	PAD 4	Press	The Delay effect on FX 4 On/Off	The Delay effect on FX 4 On/Off	
P5	PAD 5	Press	Turn on the Gater effect on FX 1 while pad 5 is pressed	Turn on the Gater effect on FX 1 while pad 5 is pressed	
P6	PAD 6	Press	Turn on the Gater effect on FX 1 while pad 6 is pressed	Turn on the Gater effect on FX 1 while pad 6 is pressed	
P7	PAD 7	Press	Turn on the Filter LFO effect on FX 1 while pad 7 is pressed	Turn on the Filter LFO effect on FX 1 while pad 7 is pressed	
P8	PAD 8	Press	Turn on the Digital LoFi effect on FX 1 while pad 8 is pressed	Turn on the Digital LoFi effect on FX 1 while pad 8 is pressed	
P1	PAD 1	Press	Play 1st Sample Cell or 3rd Sample Cell in Sample Slot 1	Stop playback Sample Slot 1	
P2	PAD 2	Press	Play 1st Sample Cell or 3rd Sample Cell in Sample Slot 2	Stop playback Sample Slot 2	
P3	PAD 3	Press	Play 1st Sample Cell or 3rd Sample Cell in Sample Slot 3	Stop playback Sample Slot 3	
P4	PAD 4	Press	Play 1st Sample Cell or 3rd Sample Cell in Sample Slot 4	Stop playback Sample Slot 4	
P5	PAD 5	Press	Play 2nd Sample Cell or 4th Sample Cell in Sample Slot 1	Stop playback Sample Slot 1	
P6	PAD 6	Press	Play 2nd Sample Cell or 4th Sample Cell in Sample Slot 2	Stop playback Sample Slot 2	
P7	PAD 7	Press	Play 2nd Sample Cell or 4th Sample Cell in Sample Slot 3	Stop playback Sample Slot 3	
P8	PAD 8	Press	Play 2nd Sample Cell or 4th Sample Cell in Sample Slot 4	Stop playback Sample Slot 4	

Group	No.	Name	Operation	Deck A, B (Track Deck)		Deck C, D (Remix Deck)	
				Function	(+SHIFT)	Function	(+SHIFT)
Performance Pad							
	P9	HOT CUE	Press	Switch to HOT CUE Mode	-	-	-
	P10	ROLL	Press	Switch to Instant FX Mode 1	-	-	Switch to Instant FX Mode 1
	P11	SLICER	Press	Switch to Instant FX Mode 2	-	-	Switch to Instant FX Mode 2
	P12	SAMPLER	Press	Switch to SAMPLER Mode	-	-	Switch to SAMPLER Mode
	P13	PARAMETER [<]	Press	Slow down playback speed temporarily	Move playback position roughly	-	Slow down playback speed temporarily
		ROLL MODE	Press	When this button is pressed while pressing a pad, the effect in use is kept.	-	-	When this button is pressed while pressing a pad, the effect in use is kept.
		SLICER MODE	Press	When this button is pressed while pressing a pad, the effect in use is kept.	-	-	When this button is pressed while pressing a pad, the effect in use is kept.
	P14	PARAMETER [>]	Press	Speed up playback speed temporarily	Move playback position roughly	-	Speed up playback speed temporarily
		ROLL MODE	Press	-	-	-	-
		SAMPLER MODE	Press	Select 1st Sample Cell and 2nd Sample Cell in each Sample Slots	Switch Sample Page	-	Select 1st Sample Cell and 2nd Sample Cell in each Sample Slots
	P15	PARAMETER [<]	Press	Slow down playback speed temporarily	Move playback position roughly	-	Slow down playback speed temporarily
		ROLL MODE	Press	When this button is pressed while pressing a pad, the effect in use is kept.	-	-	When this button is pressed while pressing a pad, the effect in use is kept.
		SAMPLER MODE	Press	Select 3rd Sample Cell and 4th Sample Cell in each Sample Slots	Switch Sample Page	-	Select 3rd Sample Cell and 4th Sample Cell in each Sample Slots

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 the following website.
<http://pioneerdj.com/support/product.php?c=3122&lang=en&p=DDJ-SP1&t=264>

Changing this unit's settings

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

- 1) Press the [BACK] button for over one second to switch to the Utilities Mode.
- 2) Turn the rotary selector so that the FX 1 [TAP] button flashes.
- 3) If this unit's left Pad 1 is unlit, press the Pad. When the left Pad 1 is lit, do not press the Pad.
- 4) Press the rotary selector. Wait until flash of eight buttons on Effect Section is completed.
- 5) Press the [BACK] button to exit the Utilities Mode.

For details, see "Using DJ software other than Serato DJ" in Operating Instructions(Advanced Edition).

About Instant FX

Instant FX can activate determinate effect on playing track automatically. When Pad Mode is ROLL Mode or SLICER Mode, you can use the Instant FX. Following effects are assigned to each Pads. When a Pad is pressed, the assigned effect is selected and the effect parameter is set and the effect unit within operating deck is turned on. Also, when the [PARAMETER [<]] button is pressed while pressing a Pad, the effect in use is kept.



※ Effect parameters for Beatmasher2 from #1 to #4 are set to 60% / 80% / 90% / 100%.
 ※ Effect parameters for Gater from #1 to #2 are set to 50% / 70%.

Note relating to the use of Instant FX

In the Instant FX, all four effect units in TRAKTOR PRO 2 are used. FX 1, FX 2, and FX 3 should be set to Group Mode. Also, FX 4 should be set to Single Mode.

If you will change effect mode or number of effect unit for use, some Instant FX may not be available.

When you will use the Instant FX, be sure to execute following settings on [Preferences] screen of TRAKTOR PRO 2.

- 1) Select [Effects] on [Preferences] screen.
- 2) Select "4 FX Units" in [FX Unit Routing].
- 3) Set to Group Mode for FX 1 / FX 2 / FX 3. Set to Single Mode for FX 4.

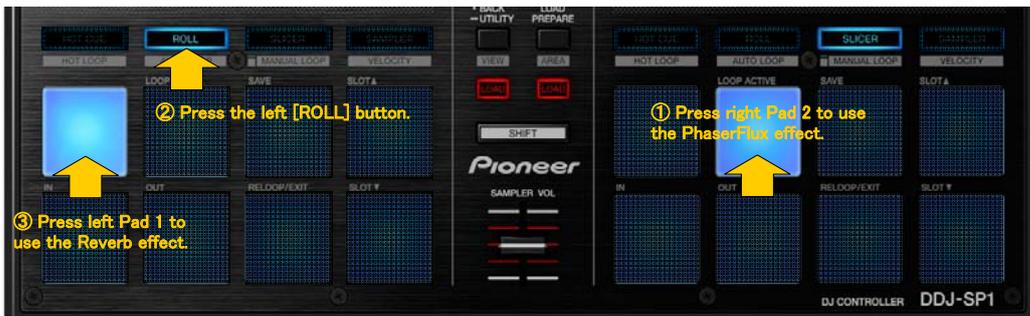
When you will use the Instant FX on Remix Deck, turn on FX in Slot Parameters for each Sample Slots.

When the [PARAMETER [>]] button is pressed while pressing the [SHIFT] button during HOT CUE Mode, FX in Slot Parameters for all Sample Slots is turned on. However, Deck C/D has to be selected in this case.

When you will use this unit's Pad Mode as separate Instant FX Mode(e.g. left Pad Mode = ROLL Mode, right Pad Mode = SLICER Mode), to use from the Phaser Flux effect to the Reverb(from the Reverb effect to the Phaser Flux effect) effect smoothly, be sure to press Pad Mode button.

Show an example of when left Pad Mode is ROLL Mode(= Instant FX Mode 1) and right Pad Mode is SLICER Mode(= Instant FX Mode 2).

When the Reverb effect by left Pad 1 is used right after using the PhaserFlux effect by right Pad 2, press the left [ROLL] button right before using the Reverb effect.



When the PhaserFlux effect by right Pad 2 is used right after using the Reverb effect by left Pad 1, press the right [SLICER] button right before using the PhaserFlux effect.



About Combo FX

When some Pads are pressed according to determinate order during ROLL Mode(= Instant FX Mode 1), another effect is added.

Combo FX 1: When Pads are pressed and held according to following order(Pad 5 -> Pad 6 -> Pad 7 -> Pad 8), the Transpose effect on FX 3 is turned on.

Combo FX 2: When Pads are pressed and held according to following order(Pad 6 -> Pad 7 -> Pad 2 -> Pad 3), effect parameters of the Filter:92 LFO effect and Delay T3 effect on FX 3 are increased gradually.

Additional Information

*1 Loaded Sample length is equal to the beat setting for Auto Loop. Also, the sample is based on the track loaded in Deck A(B).

*2 When you will play Remix Deck by pressing the [SHIFT] button and [SLIP] button, be sure to select desired Sample Cell before playback. (When a Play Type indicator is bright like Figure 1, the Sample Cell has been selected.)
When Sample Cell is not selected(When all Play Type indicators are dark), Sample Cell will not be triggered by pressing the [SHIFT] button and [SLIP] button.

Figure 1



*3 When you will play Remix Deck by pressing the [CENSOR] button, all Sample Slots are triggered. The Sample Cell right played previously will be selected.
When the [CENSOR] button is pressed again, the Sample Cell is paused. But, the [CENSOR] button is kept lighting.

*4 To use Auto Loop function on Remix Deck, trigger a Sample Cell by pressing a Pad or trigger the selected Sample Cell by pressing the [SHIFT] button and [SLIP] button.
When Sample Cell is played using the [CENSOR] button, Auto Loop function can not be used.

*5 Show relation between Pads and triggered Sample Cell below. (Sample Cells in selected Sample Page is indicated. Also, default setting is equal to state of which the [PARAMETER [<]] button is pressed.

Pad	PARAMETER button	Sample Slot	Triggered Cell	Pad	PARAMETER button	Sample Slot	Triggered Cell
PAD 1	PARAMETER[<] button	Slot 1	[A] Cell on Fig.2	PAD 5	PARAMETER[<] button	Slot 1	[B] Cell on Fig.2
	PARAMETER[>] button		[C] Cell on Fig.2		PARAMETER[>] button		[D] Cell on Fig.2
PAD 2	PARAMETER[<] button	Slot 2	[E] Cell on Fig.2	PAD 6	PARAMETER[<] button	Slot 2	[F] Cell on Fig.2
	PARAMETER[>] button		[G] Cell on Fig.2		PARAMETER[>] button		[H] Cell on Fig.2
PAD 3	PARAMETER[<] button	Slot 3	[I] Cell on Fig.2	PAD 7	PARAMETER[<] button	Slot 3	[J] Cell on Fig.2
	PARAMETER[>] button		[K] Cell on Fig.2		PARAMETER[>] button		[L] Cell on Fig.2
PAD 4	PARAMETER[<] button	Slot 4	[M] Cell on Fig.2	PAD 8	PARAMETER[<] button	Slot 4	[N] Cell on Fig.2
	PARAMETER[>] button		[O] Cell on Fig.2		PARAMETER[>] button		[P] Cell on Fig.2

Figure 2

