



Hercules DJControl Impulse 500 Quick-Start Guide

Setup

Serato Software

The Hercules DJControl Inpulse 500 is a “Serato DJ Lite hardware unlocked” device, meaning it works with Serato DJ Lite out of the box.

It is also a “paid upgrade to Serato DJ Pro device”, meaning it requires the purchase & activation of a Serato DJ Pro license, in order to be used with Serato DJ Pro.

You can also trial Serato DJ Pro, for up to 14-days.

[Click here to find out more about buying or activating Serato DJ Pro](#)

Please ensure you have the latest version of Serato DJ Pro installed:

[Click here to download Serato DJ Pro](#)

Connection

The Hercules DJControl Inpulse 500 requires manufacturer specific drivers on both Mac & Windows operating systems.

Before using Serato DJ Pro, please download and install the driver, from Hercules’ website, [here](#).

Once the driver is installed, simply launch & activate the latest version of Serato DJ Pro and connect your Hercules device using the USB connection.

Help

Show Tooltips

Click on the **Help** button in the upper right-hand corner of Serato DJ Pro, then **Show tooltips** to enable tooltips. Tool tips provide a handy way to learn the various features of Serato DJ Pro.

Move the mouse over a section of the screen to bring up a context sensitive tool tip.

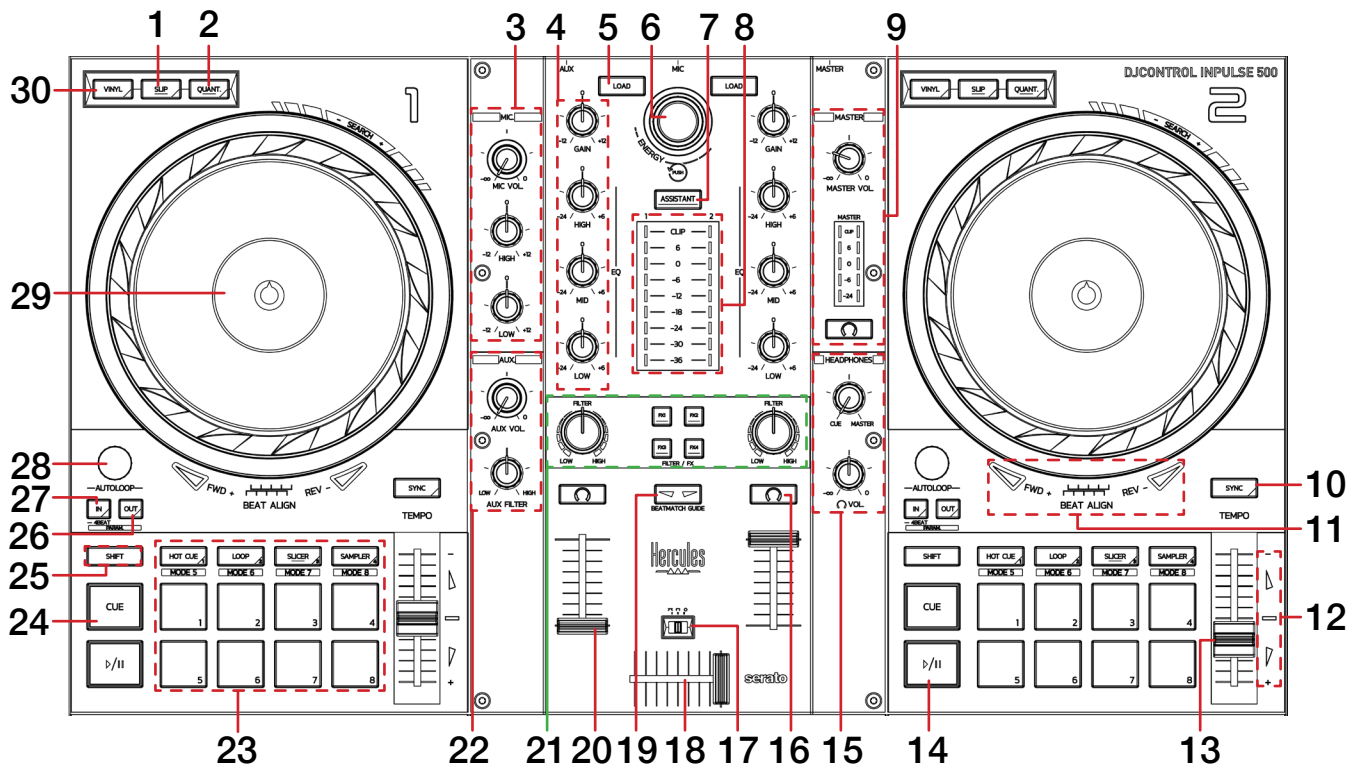
Watch Tutorials

Click on the **Help** button in the upper right-hand corner of Serato DJ Pro, then **Watch tutorials** to launch your default internet browser and watch tutorials, to help you get familiar with Serato DJ Pro.

Get Support

Click on the **Help** button in the upper right-hand corner of Serato DJ Pro, then **Get support** to launch your default internet browser and navigate to the Serato DJ Pro knowledge base, where you can find helpful articles and guides on Serato DJ Pro. Alternatively, type in the **Go** box, with keywords, to search the Serato DJ Pro knowledge base for specific, related topics.

Overview

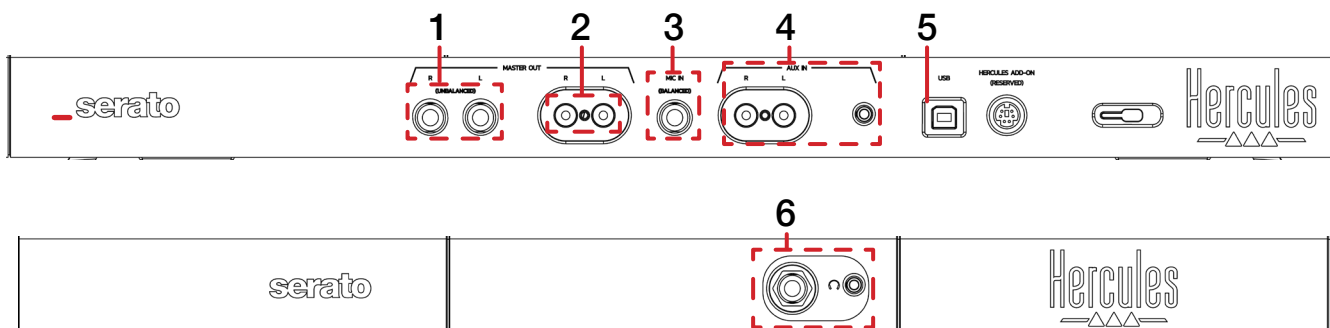


#	DJCONTROL IMPULSE 500 CONTROL	FUNCTION	SHIFT FUNCTION
1	SLIP	Toggle Slip (per deck)	-
2	QUANTIZE	Toggle Quantize (per deck)	-
3	MIC SECTION	MIC level/MIC Hi & Low EQ. MIC level will light up in green when input volume clips/distorts	-
4	CHANNEL GAIN/EQ	Adjust Hi/Mid/Low EQ & gain per channel	-
5	LOAD	Load selected track to deck (per deck). Double press to Instant Double	-
6	BROWSE	Turn to scroll Library. Press in to toggle forward between Library & Crate list. Library knob exterior will pulse to the beat of playing track	Fast Library scroll. Press in to toggle backward between Library & Crate list
7	ASSISTANT	Toggle Autoplay	-
8	CHANNEL METER	Monitor level of playing channels	-
9	MASTER SECTION	Adjust Master Level, monitor Master Level, & Toggle Master Cue	-
10	SYNC	Toggle SYNC on per deck	Toggle SYNC off per deck
11	BEAT ALIGN	Move jog wheel/platter forward (FWD) or in reverse (REV) to align beat-grid, as the corresponding arrow lights up. 'BEAT ALIGN' will light up in green when beatgrid is aligned. NOTE: This feature relies on accurate beatgrids. CLICK HERE TO LEARN ABOUT BEATGRIDS IN SERATO DJ	-
12	TEMPO MATCH	Move tempo slider up (-) or down (+) when corresponding arrow lights up. 'TEMPO' will light up in green when tempo is matched. NOTE: This feature relies on accurate BPM.	-
13	TEMPO SLIDER	Adjust tempo/pitch per deck	Ignore tempo/pitch adjustment per deck
14	PLAY / PAUSE	Toggle Play / Pause per deck	Stutter Play
15	HEADPHONES SECTION	Adjust headphone level and mix	-
16	CHANNEL CUE	Press per channel to cue for monitoring in headphones	-
17	CROSSFADER CURVE	Toggle crossfader curve type	-
18	CROSS FADER	Crossfade audio between channel A-B	Crossfader start

Overview

#	DJCONTROL IMPULSE 500 CONTROL	FUNCTION	SHIFT FUNCTION
19	BEATMATCH GUIDE	Toggle BEAT ALIGN & TEMPO MATCH features on / off	-
20	CHANNEL FADER	Adjust channel volume	Fader start
21	FILTER FX SECTION	Apply low pass or high pass filter per deck, toggle FX SEE FX SECTION FOR MORE INFORMATION	-
22	AUX SECTION	Adjust AUX volume / Adjust AUX high pass & low pass filter	-
23	PERFORMANCE PADS	SEE PERFORMANCE PADS SECTION FOR MORE INFORMATION	-
24	CUE	Set Temp Cue point / Cue from set Temp Cue point	Load previous track to deck
25	SHIFT	Use in conjunction with other controls as modifier	-
26	OUT	Set Loop Out point / Edit Loop Out point	Parameter right
27	IN	Set Loop In point / Edit Loop In point. Press and hold to toggle 4 beat autoloop	Parameter left
28	AUTOLOOP	Press in to toggle autoloop, turn left to halve loop length, turn right to double loop length	-
29	JOG WHEEL	Control waveform within Serato DJ Pro in vinyl mode, or pitch bend with vinyl mode off	Fast waveform scroll in vinyl mode / aggressive pitch bend in vinyl mode off
30	VINYL	Toggle vinyl mode per deck	-

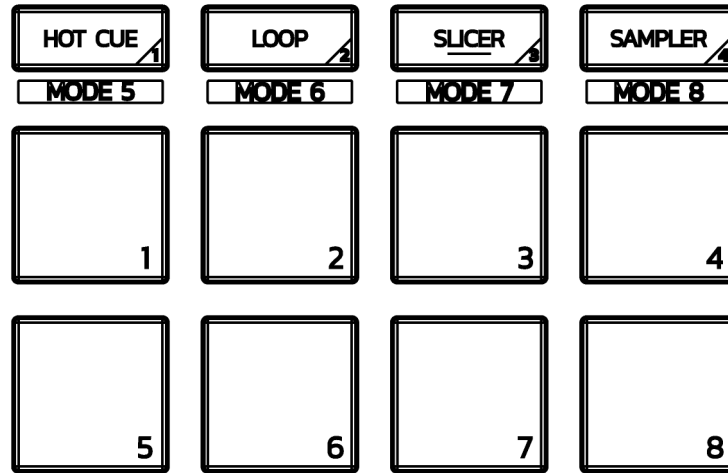
Overview



#	IMPULSE 500 CONTROL	FUNCTION
1	MASTER OUT (UNBALANCED)	TRS or 1/4" master output (unbalanced)
2	MASTER OUT (RCA)	RCA master output
3	MIC IN (BALANCED)	Microphone TRS or 1/4" input (balanced)
4	AUX IN	Auxiliary RCA & mini-jack or 1/8" input
5	USB	Connect PC via USB connection
14	HEADPHONES	1/4" & 1/8" headphone output

Performance Pads

The Hercules DJControl Inpulse 500 comes with 8 RGB performance pads, that can be used across 8 different performance pad modes.



These consist of:

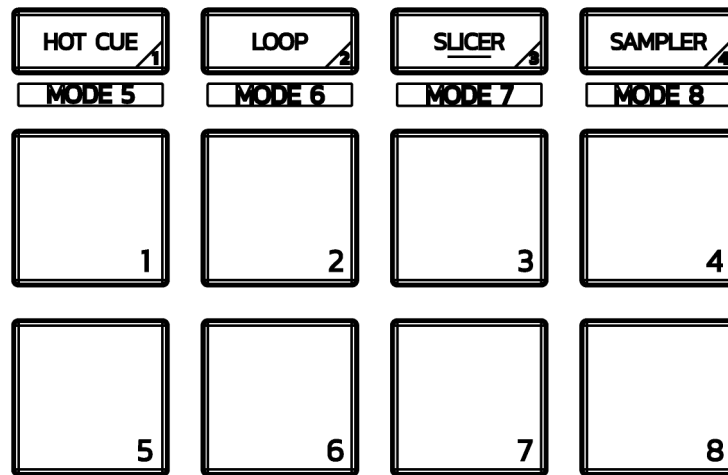
HOT CUE mode: Press the HOT CUE pad mode button to enter HOT CUE mode. Pads 1-8 trigger Serato DJ Pro Cue points, and if no Cue point is present on that slot/pad, pressing that pad will set a Cue point. Holding SHIFT while pressing a pad will clear the Cue point from that pad/slot.

MANUAL LOOP mode: Press the LOOP pad mode button to enter MANUAL LOOP mode. In this mode pressing pad 1 to set or edit the Loop In point, pad 2 to set or edit the Loop Out point, pad 3 to turn the loop on or off, pad 4 to reloop, pad 5 to select the previous loop slot, pad 6 to select the next loop slot, and pad 7 to save the current manual loop to the selected slot.

SLICER mode: Press the SLICER pad mode button to enter SLICER mode. In this mode a specified range (or domain) is divided into eight equal sections, and these eight sliced sections are assigned to the respective performance pads (1-8), and can be triggered by pressing them. The domain shifts as the track duration elapses. Use the Parameter left & right buttons to decrease or increase the domain size.

SAMPLER mode: Press the SAMPLER pad mode button to enter SAMPLER mode. Press pads 1-8 to trigger samples loaded into the Serato DJ Pro Sampler. Hold SHIFT while pressing a pad to stop the sample playback once triggered, or load a sample to the respective Sampler slot if no sample is loaded. Use the Parameter left & right buttons to cycle Sample banks forward and backward respectively.

Performance Pads



Secondary modes consist of:

PITCH PLAY mode: Hold SHIFT while pressing the HOT CUE pad mode button to enter PITCH PLAY mode. PITCH PLAY mode requires the Serato Pitch 'n Time DJ expansion pack to be activated.

[SEE THE PITCH PLAY SECTION FOR MORE INFORMATION](#)

LOOP ROLL mode: Hold SHIFT while pressing the LOOP pad mode button to enter LOOP ROLL mode. In this mode holding pads 1-8 activates a loop roll of varying sizes. Release the pad to exit the Loop Roll. Use the 'Shift Autoloop range' controls in Serato DJ Pro to change the 8 selected loop size options. Use the Parameter left & right buttons to shift the loop roll left & right respectively.

AUTOLOOP mode: Hold SHIFT while pressing the SLICER pad mode button to enter AUTOLOOP mode. In this mode pressing pads 1-8 activates an autoloop of varying sizes. Press the same pad again to exit the autoloop. Use the 'Shift Autoloop range' controls in Serato DJ Pro to change the 8 selected loop size options, or press the Parameter left & right buttons to shift the loop left & right respectively.

BEATGRID EDIT mode: Hold SHIFT while pressing the SAMPLER pad mode button to enter BEATGRID EDIT mode. In this mode, pad 1 adjusts grid left by a large amount, pad 2 adjusts grid left by a small amount, pad 3 adjusts grid right by a small amount, and pad 4 adjusts grid right by a large amount. Pad 5 slips the grid left by a large amount, and pad 6 slips it left by a small amount, while pad 7 slips the grid right by a small amount, and pad 8 slips the grid right by a large amount. Parameter left sets a beat marker, and Parameter right clears a set beat marker.

Pitch Play

Holding SHIFT and pressing the HOT CUE performance pad mode button on the Inpulse 500 will enable Pitch Play mode. In this mode you can play Cue Points over variable pitch ranges.

There are 3 key ranges to choose from. The following tables show pitched key ranges (in Semitones) while using the 8 performance pads in Pitch Play mode. To toggle between key ranges press the Parameter left & right buttons.

The root key pad (0) is always lit white, which will play the cue point at its regular pitch.

Pressing Parameter left & right while holding SHIFT will shift up or down a single semitone. In Pitch Play mode, pressing a pad will pitch the currently selected cue point up or down the following ranges:

Up Range: (Up 7 Semitones)

+4	+5	+6	+7
0	+1	+2	+3

Middle Range: (Up 3/Down 4 Semitones)

0	+1	+2	+3
-4	-3	-2	-1

Down Range: (Down 7 Semitones)

-3	-2	-1	0
-7	-6	-5	-4

When Pitch Play mode is first enabled, the middle range is selected. If a new track is loaded, key mode will default to middle range.

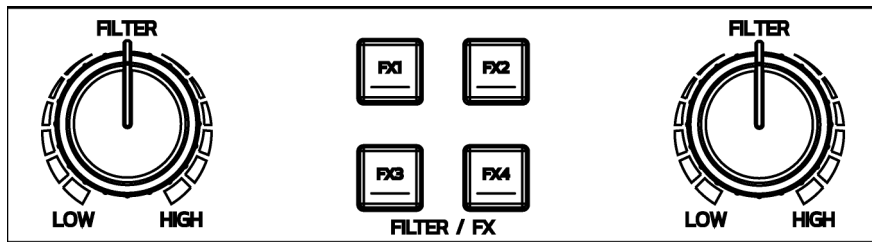
PITCH PLAY can only pitch one Cue point at a time. To change the selected Cue, hold the SHIFT button and press a performance pad where the cue point you want to select would be (as shown in the CUES performance pad mode). While holding SHIFT, press the corresponding performance pad for:

Cue 1	Cue 2	Cue 3	Cue 4
Cue 5	Cue 6	Cue 7	Cue 8

The selected cue point defaults to Cue Point 1 on track load, even if instant doubled. If a pad with no cue point is selected, then a new cue point will be created. Deleting a cue point however, is not possible in PITCH PLAY mode. Range is remembered if you choose another pad mode, then go back. If a new track is loaded, the mode will default to middle range.

NOTE: Pitch Play mode is available once the Pitch 'n Time DJ Expansion Pack has been activated in the MY SERATO window. Make sure "Enable Pitch 'n Time DJ" is checked in the Expansion Pack tab of the SETUP screen.

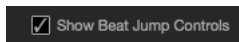
DJ FX



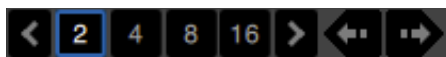
IMPULSE 500 CONTROL	SINGLE FX	MULTI FX
FILTER	Increase FX parameter depth by turning knob left or right from neutral position (middle)	Increase selected FX depth by turning knob left or right from neutral position (middle)
FX1	Arm FX	Arm FX slot 1
FX2	Toggle to adjust FX parameter 1 with Filter knob	Arm FX slot 2
FX3	Toggle to adjust FX parameter 2 with Filter knob	Arm FX slot 3
FX4	Toggle Beats multiplier value adjustment. Once toggled use respective Filter control to decrease (left) or increase (right) value. Return to neutral position (middle) to reset to 1 beat value.	Toggle Beats multiplier value adjustment. Once toggled use respective Filter control to decrease (left) or increase (right) value. Return to neutral position (middle) to reset to 1 beat value.

Beat Jump

To activate Beat Jump, open the Setup screen and under the DJ preferences tab turn on “Show Beat Jump Controls”.



When you close the Setup screen you will see Beat Jump controls underneath the existing Auto Loop values on each deck. Checking this box will turn on Beat Jump features in the deck area and let you control Beat Jump from on your supported Serato DJ Pro hardware.



When the Beat Jump option is enabled, the LOOP ROLL & AUTO LOOP performance pad mode will use the bottom row of 4 pads (pads 5-8) as Beat Jump controls. This is designed to mirror the change in deck Auto Loop area (from 8 Auto Loop sizes to 4 Auto Loop sizes + Beat Jump controls).

MIDI

The MIDI feature in Serato DJ Pro provides the ability to remap Serato DJ Pro software functions to your primary Serato controller, interface or mixer. You can also assign controls to a secondary MIDI controller to further enhance your performance.

[For more information on MIDI mapping with Serato DJ Pro click here](#)

To remap your supported Serato device, open the SETUP screen and click the MIDI tab. If your Serato device supports hardware remapping, it will show up in the MIDI Devices list at the top.

Select your connected device from the MIDI Devices list and make sure the “Allow Serato Hardware Remapping” option is checked.

Allow Serato Hardware Remapping

Once checked, the MIDI assign button at the top of the screen will become available for you to start remapping.

NOTE: The Inpulse 500 has two MIDI components which detail Deck control & Mixer individually, and must be enabled individually for mapping of the full device.

You can save, edit or delete MIDI presets in the MIDI tab of the SETUP screen. Clicking ‘Restore Defaults’ will erase any custom mappings for all connected devices and revert their functions back to default.