

algoriddim 

djay PRO

User Manual (Windows)

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Introduction

1 Introduction

Welcome to **djay Pro**. Whether you're a seasoned DJ or a rookie to the concept of mixing music, **djay Pro** is powerful and flexible, with all the tools you might need to mix your music. The app is built from the ground up to work perfectly with **Windows 10**, meaning rock-solid stability, and silky smooth visuals on high-resolution displays.

- Up to four channels of music.
- Built-in audio effects
- Spotify and iTunes integration
- Ultra-low latency audio engine
- 64-bit processing
- Silky smooth 60 frames per second interface
- Optimized for high resolution screens
- Native support for over 50 MIDI controllers from major manufacturers

1.1 Minimum requirements

You can run **djay Pro** on any **Microsoft Windows 10** compatible computer running version 1607 or later. The minimum install size for the software is 200 MB, plus space for your music. Since **djay Pro** is designed with Windows 10 in mind, all you need to bring is your music!

Tip: More RAM and a faster processor will ensure a smoother experience while DJing.

1.2 Interface tour

Need to know what everything is when you first load **djay Pro**? Here's a at-a-glance tour of the interface.



1. **Menu button.** Access all your settings from here (see **section 4.8 Settings**)
2. **Vinyl mode.** Select different vinyl modes (see **section 5.2 Advanced deck layouts**).
3. **Two-deck mode.** Select different two-deck modes (see **section 5.2 Advanced deck layouts**).
4. **Four-deck mode.** Select different four-deck modes (see **section 5.2 Advanced deck layouts**).
5. **Track time remain.** Shows how much time is left on the deck. Click to toggle to time played.
6. **Track title.** Displays the track title metadata.
7. **Track artists.** Displays the track artist(s) metadata.
8. **Track musical key.** Displays the current track musical key (see **section 5.5 Key lock and changing key**).

9. **Mix recorder.** Toggles the Mix recorder pop up (see [section 4.9 Mix recorder](#)).
10. **Sampler.** Open/close the Sampler panel (see [section 5.13 Sampler](#)).
11. **Fullscreen toggle.** switch between fullscreen and windowed modes.
12. **Window state buttons.** Standard Windows 10 minimize/maximize/close buttons.
13. **Album art.** Displays the album art metadata.
14. **Channel gain.** Controls the gain trim for the deck (see [section 4.6 Mixer](#)).
15. **Track waveform.** Displays the overall visual render of track audio, with progress marker (see [section 5.2.3 Waveforms](#)).
16. **Deck tools button.** Toggles displaying the FX, loop and pads tool panel (see [sections 5.10 Effects, 5.11 Loops, and 5.12 Cue points](#)).
17. **Deck BPM.** Displays the current BPM of the playing track (see [section 5.4 BPM and tempo](#)).
18. **Deck pan.** Controls the left/right pan of the deck (see [section 4.4 Decks](#)).
19. **High EQ.** Controls the amount of high frequencies in the track between -24dB to +6dB.
20. **Deck number indicator/options.** Tells you which deck the waveform is from and gives access to deck options (see [sections 5.7 Slicer mode, and 5.8 Slip mode](#)).
21. **Mid EQ.** Controls the amount of mid frequencies in the track between -24dB to +6dB.
22. **Deck progress indicator.** Displays the track progress around the edge of the jogwheel.
23. **Deck sync button.** Toggles whether the track is synced (see [section 5.6 Syncing](#)).
24. **Tempo slider.** Speeds up and slows down the playing track.
25. **Jogwheel.** Standard DJ control system for cueing, scratching, and rewinding deck audio.
26. **Deck low EQ.** Controls the amount of low frequencies in the track between -24dB to +6dB.
27. **Scrolling waveform.** Zoomed in visual of track audio, which follows the progress of the deck (see [section 5.2.2 Waveforms](#)).
28. **Deck +/- tempo bend buttons.** Buttons to temporarily slow down or speed up the audio to nudge a track while beatmatching.
29. **Track sticker indicator.** Displays a marker showing the position of the virtual spinning record as it plays.
30. **Deck key lock.** Maintains the current musical key of the audio, even if tempo is changed (see [section 5.5 Key lock and changing key](#)).
31. **Volume fader.** Controls the amount of volume a deck outputs (see [section 4.6 Mixer](#)).
32. **Beatgrid edit button.** Accesses options to alter track beatgrid (see [section 5.3 Beatgrids](#)).
33. **Play/pause button.** Stops and starts the audio on the deck (see [section 4.1 Layout](#)).
34. **Cue set button.** Sets a temporary cue point at the current location of the progress indicator (see [section 4.1 Layout](#)).
35. **Cue jump button.** Returns the deck to the existing cue point, plays audio from the cue point

- if held down, or returns you to the start of the track if no cue point is set (see **section 4.1 Layout**).
36. **DJ-style Filter.** Both low pass (LPF) and high pass (HPF) filters on one knob (see **section 4.1 Layout**).
 37. **Crossfader.** Horizontal slider that fades volume between the decks (see **section 4.6.1 Crossfader section**).
 38. **Loop halve button.** Button to reduce the loop length by half from 32 beats to 1/16 beat (see **section 5.11 Loops**).
 39. **Loop set button.** Toggles a loop on/off at the current progress marker (see **section 5.11 Loops**).
 40. **Loop double button.** Button to increase the loop length by double from 1/16 beat to 32 beats (see **section 5.11 Loops**).
 41. **List view buttons.** Buttons to change playlist view between compact, regular, and grid (see **section 5.9.5 List views**).
 42. **Search box.** Input box for typing in search words to filter your library. Can switch between searching playlist or collection (see **section 4.3 Media library browser**).
 43. **Library tabs.** Switches between Music, iTunes, Spotify, History, and Explorer browser tabs (see **section 5.9 Library management**).
 44. **Library browser tree.** Displays the playlist tree, with folders and playlists (see **section 5.9 Library management**).
 45. **Playlist window.** Displays the currently selected playlist (see **section 4.3 Media library browser**).
 46. **Library tabs toggle.** Toggles display of the library tabs (see **section 4.3 Media library browser**).
 47. **Automix.** Accesses Automix options and functions (see **section 4.8.4 Automix**).
 48. **Library tab toolbar.** Toolbar displaying buttons relevant to currently shown library tab (see **section 5.9 Library management**).
 49. **Play queue toggle.** Toggles display of the Play queue list (see **section 5.9.4 Play queue and Automix**).
 50. **Library expand button.** Toggles between showing full library browser or browser and decks.

Glossary of terms

2 Glossary of terms

There are many common technical and DJ terms used throughout this manual. Below is a quick list of some of these words along with a short definition.

BPM (Beats per minute). The standard unit of measuring the tempo of music.

Channel. An individual input route for audio on the mixer.

Cue point. Markers that can be set along the timeline of the track and jumped to instantly. Up to eight can be created per track.

Deck. Like it's physical counterpart, this is where your individual tracks are played and controlled. You can change the tempo, view track progress and overall waveforms, and emulate the behavior of CDJs and turntables.

Downbeat. The first beat of a measure.

Effect. A method of applying alterations to the audio of a track or mix. You can chain up to three audio effects per channel.

EQ (equalization). A filtering of the audio to cut out specific frequencies. **djay Pro** features the standard DJ mixer high-frequency, mid-frequency, and low-frequency EQ controls.

Fader/slider. A control method which uses a sliding action to fade between amounts. DJ mixers tend to feature vertical faders and a crossfader.

Jogwheel. A round platter used for controlling music. They are designed to emulate the feel of a turntable and usually come in pairs on DJ controllers.

Library. The section of **djay Pro** where you can quickly browse, search and prepare your music to mix with.

Loop. A segment of a track that's repeated. The size and location of the loop can be determined by the user.

Measure. Also known as a Bar, a measure is the number of beats corresponding to the timing of the music. For example, most dance music is 4/4 timing, so one measure is four

beats.

Mixer. The hub of your equipment that controls the output of music by changing channel volume, gain, EQs, filters, and crossfade.

Playlist. A saved list of tracks within your library. You can use these to prepare your mixes and Automix queue.

Quantize. The act of ensuring music is precisely set to a rhythm. Quantized music will stay in time with a set tempo, and will always launch at a selected interval of this tempo, even if it's off the beat.

Sync. The act of automatically ensuring tracks stay in time, either by simply matching the tempo, or quantizing the beats to stay together.

Tempo. The speed at which music is played. This is usually measured in beats per minute.

Transport. The buttons used to control a track. These include start/stop, cue start, and sometimes rewind and fast forward.

UI (User interface). The system of screen elements the user interacts with, such as buttons, menus, scrolling lists, or waveforms.

Waveform. The visual representation of the music, displaying audio volume, and sometimes showing frequencies in different colors.

Quick Start

3 Quick start

From the moment you first load **djay Pro**, the experience is designed to be as intuitive as possible. Getting your first mix started is almost as easy as playing tracks in iTunes.

3.1 Installing djay Pro

You can buy **djay Pro** via the [Windows Store](#). The Windows Store allows you to install and run the software on up to 10 active Windows 10 computers you own.

3.1.1 Download from the Windows Store

Purchase and download the app like any other on the **Windows Store**. The purchase will be tied to your Microsoft account, which means you won't need a license key to install.

3.1.2 Launching djay Pro

The first time you load into the software, you'll see the default layout: two decks, a mixer and a browser for your music collection.

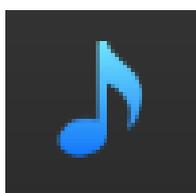


3.2 Navigating the library browser

You can find the library browser in the lower half of the **djay Pro** window, which give you access to all your music, from your own collection as well as the Spotify streaming service (Premium account required).

3.2.1 Music playlists

Any playlists created in **Windows Media Player** or **Groove Music** can be accessed via the **Music** playlists tab on the left side strip of icons. Changes made in Windows Media Player or Groove Music will be reflected in the **djay Pro** library browser when you launch it. This tab contains all audio in the <user home>\Music folder.



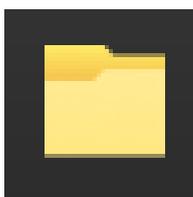
3.2.2 iTunes playlists

You can browse your iTunes playlists by clicking the **iTunes** icon on the far-left strip of the browser. The browser tree will then display your playlists.



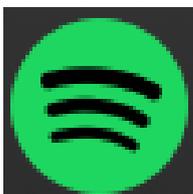
3.2.3 'Explorer' folders

You can browse your music by adding folders from your hard drive, external drives, and USB sticks through the **Explorer** tab of the library browser. Simply click **Add Folder** and find where your music collection is stored.



3.2.4 Spotify

To access Spotify's music streaming library, you'll need an active Premium account on the service, and to be logged in within **djay Pro**.



3.2.5 Searching

To find a specific track, choose the relevant tab in your library and use the **search box (1)** in the top right of the library browser.



3.3 Loading a track

Move the crossfader in the center of the window all the way to the left, either by clicking the arrow between the crossfader and filter knob **(1)**, or clicking and dragging the crossfader yourself **(2)**.



Next, there are two ways to load a track into a deck.

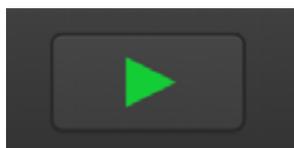
1. Right click on your chosen track and select **Load On Deck 1** from the context menu.



2. **Drag** the track into the left-hand deck.



Hit the **Play** button on the far left of the mixer strip to start your music playing.



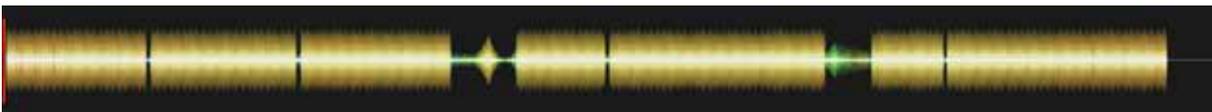
3.4 Mixing your tracks

Add a new music track to **Deck 2** then make sure it isn't playing (if it is, use the **PLAY button** to stop playback).

Click the **SYNC** button to match the new track's BPM with the first track.

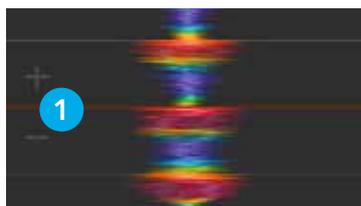


Restart the track by **click-dragging** across the track waveform above the deck all the way to the left. Ensure the **red indicator** is set to the far left.



Press **PLAY** at the start of a measure on the first track to play both in time. Move the crossfader across to the middle to hear both tracks playing at once.

If you find that the beats sound a bit out, use the **+ and – symbols (1)** on the **deck 2** to nudge the track in time. Keep practicing this until you get it right and you will have learned the fundamentals of beatmatching, one of the cornerstones of DJing.



Congratulations! You've just done a mix!

3.5 Recording your mix

You can record your mix by clicking the big red button at the top of the window. Press **Start New Audio Recording** to activate the recorder. The red button will then light up to indicate recording in progress. For more details about the mix recording functions, see **section 4.9 Mix recorder**.



3.6 Adding hardware

You can see the full list of supported MIDI controllers over on our website. The listed hardware is plug-and-play, meaning **djay Pro** will recognize it's connected and the all your controls will work without any extra settings. For more detailed information please read **section 5.14 Using hardware**.

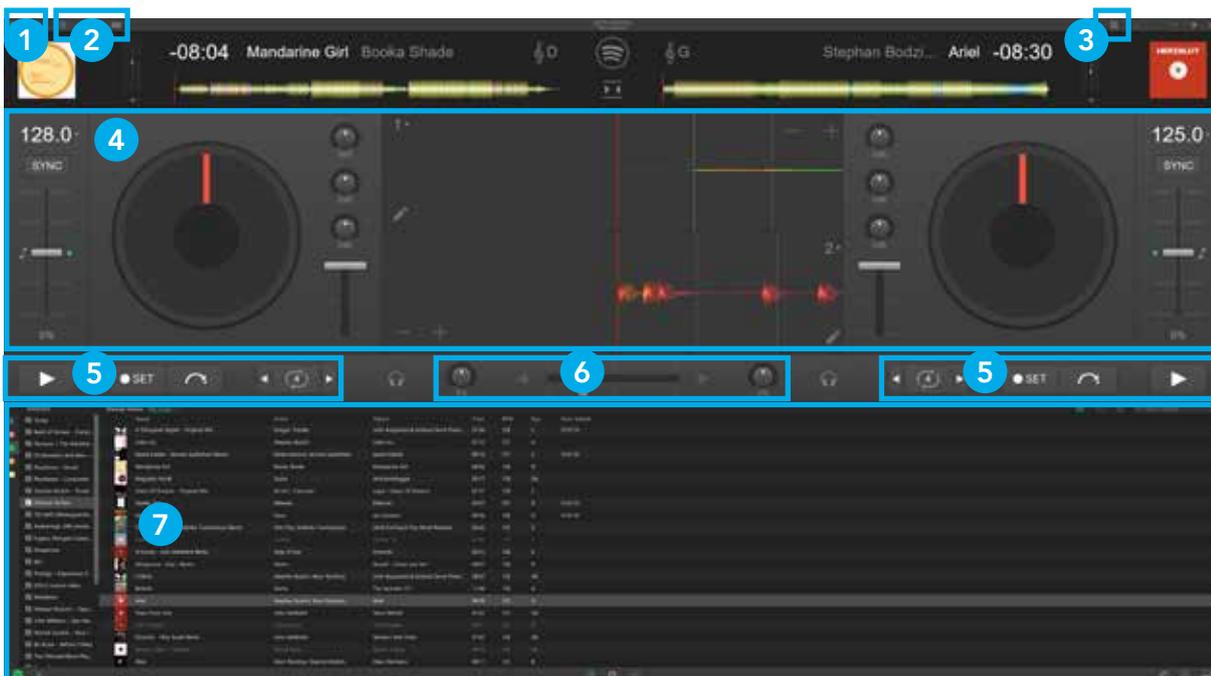
Core features

4 Core features

A fresh install of **djay Pro** will present you with the default view, a familiar layout designed to get you mixing quickly. The core features of the software are all at your fingertips from the moment you open the software.

4.1 Layout

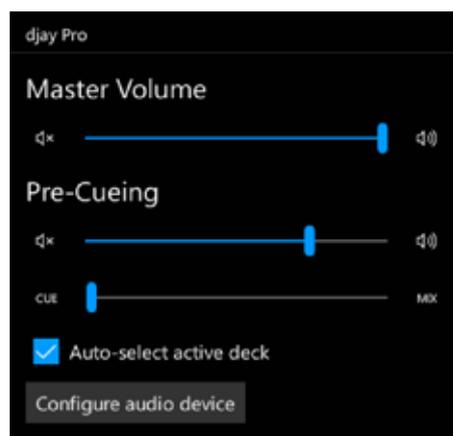
The main **djay Pro** screen consists of your music decks, mixer and library. If you're familiar with existing DJ paradigms or other modern DJ software, you will recognize many of these functions.



1. **Menu button:** This control gives you access to set the volume and select hardware devices for the Master out, headphone pre-cueing, and microphone input, as well as all your user settings.
2. **Deck options:** Switch between the different two, and four deck layouts (see **section 4.5 Deck views** and **section 5.2 Advanced deck layouts**).
3. **Sampler:** Access up to 12 samples to spice up your set. You can choose from official purchasable sample packs, or add your own saved samples from your music collection. See **section 5.13 Sampler** for more information.
4. **Decks:** The music players used to play and control your audio.
5. **Transport:** Your basic controls for your decks.
6. **Mixer:** see **section 4.6 Mixer** for more information
7. **Library browser:** Access all your music from here (see **section 4.3 Media library browser** and **section 5.9 Library management** for more details).

4.2 Volume controls

Each of your volume inputs and outputs can be configured quickly and easily from the top of your **djay Pro** menu. Choose the desired hardware for each before doing anything else.

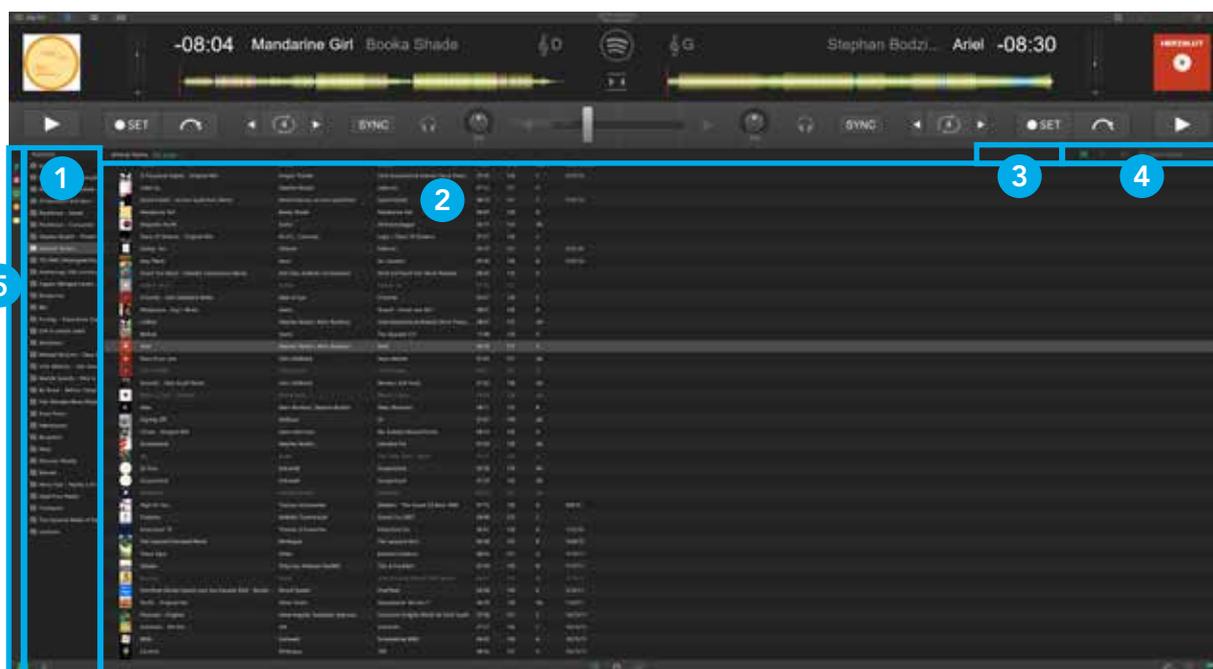


- 1. Master volume:** This slider gives you quick access to the main output volume control. Drag left to decrease volume, right to increase.
- 2. Headphone pre-cueing:** Change the **Volume** of your headphone monitoring. Alter the **Cue/mix** amounts to allow your headphones to hear as much of the cued track and the main mix as you need.

4.3 Media library browser

The library browser is a powerful tool to help organize your music and prepare your sets. The browser consists of two main parts: the **Playlist Tree** and the **Track List**, and includes music searching, track filtering and access to **Windows Media Player**, **iTunes** and the **Spotify** music streaming service.

TIP: You can access the expanded browser view quickly by hitting **ENTER** on your computer keyboard.

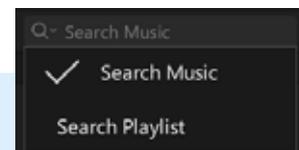


1. **Playlist tree:** Displays all your playlists, smart playlists, and playlist folders. Selecting a playlist will display saved tracks in the track list on the right of the browser.
2. **Track list:** Shows a list of all the tracks in the currently selected playlist or folder.

Along with the two main sections of the library browser, there are also some other important functions:

3. **List view options:** These icons let you change how the track list windows displays your music collection. You can switch between **compact grid**, **regular grid**, and **collection view**. See **section 5.9 Library management** for more information.
4. **Search:** The **search** box allows you to quickly find tracks within your current collection (**Music**, **iTunes**, **Spotify**, and **Explorer**) by searching for text strings in track metadata.

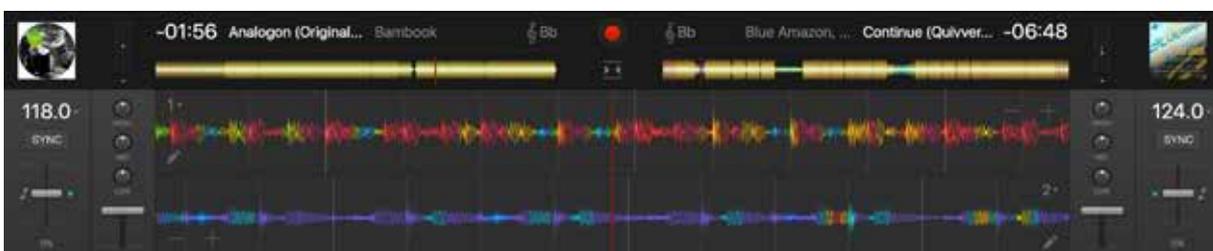
TIP: You can switch between searching the whole library and the current playlist by clicking the little menu arrow in the search box.



5. **Library tab buttons:** Easily switch between your different collections using the buttons on the left of the browser. You can switch between **Playlists**, **iTunes**, **Spotify**, **History**, and **Explorer**.

4.4 Decks

Just like hardware DJ equipment, the decks within **djay Pro** allow you to load, play and manipulate up to four different music tracks. The Waveform views feature parallel scrolling, designed to help you mix. You can control the track gain (otherwise known as trim) and left/right balance using the sliders incorporated into the deck level meters at the top corners of the screen.



4.5 Deck views

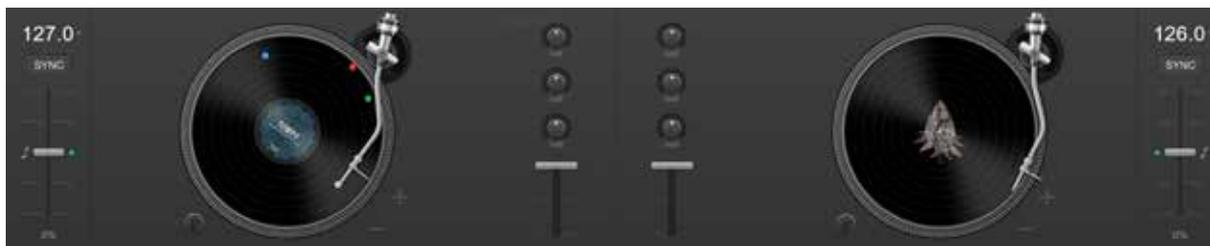
You can switch to different deck views, depending on your preference. All views feature parallel waveforms. For a more detailed look at both the two and four deck layouts, see **section 5.2 Advanced deck layouts**.

4.5.1 Vinyl mode

The default layout for **djay Pro** displays your decks as virtual jogwheels, emulating the look and feel of their real counterparts to help familiarity.



You can choose to also switch between horizontal or vertical scrolling waveforms, and virtual turntables.



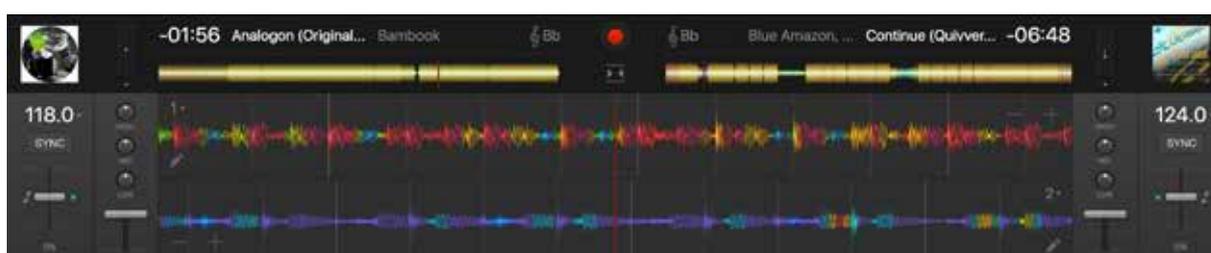
4.5.2 Vertical waveforms

You can set your track waveforms to flow from top to bottom, in parallel.



4.5.3 Horizontal waveforms

With horizontal waveforms, the visuals scroll from right to left, in parallel.



4.6 Mixer

The mixer section controls which deck plays out to the master. There are also filter controls, as well as loop and transport buttons across this strip.

4.6.1 Crossfader section

The **crossfader** can be found in the center of the screen. The **left/right** arrow buttons on either side automate a crossfade in the direction of the arrow. The speed of the fade can be set in the preferences (see **section 4.8.4 Automix settings**).



Filters

Either side of the crossfader, you can find dedicated deck **DJ Filter** knobs. These knobs are designed to cut out either the low or high frequencies, depending on whether you twist left or right.



Transport controls

The transport section consists of three controls: the **PLAY** button, **CUE SET**, and **CUE PLAY (CUP)**. The **PLAY** button starts and stops the track based on the start and stop times (see **section 4.8.3 General settings**). The **CUE SET** button sets a temporary cue point which can be recalled while the deck is playing music. When the deck is stopped, the **CUE SET** button sets a new cue point.



Loop controls

The **djay Pro** loop controls feature a simple set-up consisting of three buttons: **loop length decrease**, **loop activate**, and **loop length increase**. The loop length is shown in beats, and changing the size halves or doubles, from **1/16th** of a beat up to **32** beats. When a loop is active, the **loop activate** button will turn blue.



4.7 Shortcuts

djay Pro features a comprehensive list of keyboard shortcuts to get you mixing. For more information, view the full list of shortcuts by selecting **Keyboard shortcuts** from the **Settings** menu at the top left of the window.

	Deck 1	Deck 2
Play/pause	1	0
Reverse/break	AltGr/Ctrl + 1	AltGr/Ctrl + 0
Sync / match key	2 / Ctrl + 2	9 / Ctrl + 9
BPM tap / set grid	Shift + AltGr + 2 / AltGr + 2	Shift + AltGr + 9 / AltGr + 9
Skip backward/forward	3/4	7/8
Pitch bend -/+	Hold AltGr + 3/4	Hold AltGr + 7/8
Tempo -/+	Shift + Alt + 3/4	Shift + Alt + 7/8
Key lock	Shift + AltGr + 5	Shift + AltGr + 6
FX 1/2 toggle	5 / AltGr + 5	6 / AltGr + 6
Jump to start/end/point	Q/T	P/Y
Jump to cue points 1/2/3	W/E/R	U/I/O
Set start/end point	AltGr + Q/T	AltGr + P/Y
Set cue points 1/2/3	AltGr + W/E/R	AltGr + U/I/O
Autoloop on/off	A	L
Set loop in/out	S/D	J/K
Set loop duration 1/2/x2	AltGr + S/D	AltGr + J/K
Loop off / reloop	AltGr + A	AltGr + L
Instant FX	Shift + Alt + 1/2/3/4/5	Shift + Alt + 6/7/8/9/0
Duplicate song	Shift + Ctrl + D	Shift + Ctrl + J
Reset sliders	Shift + AltGr + A	Shift + AltGr + L

	Mixer
Transition left	LEFT arrow
Crossfade middle	Ctrl + UP arrow
Transition right	RIGHT arrow
Switch to left	Ctrl + Shift + LEFT arrow
Switch to middle	Ctrl + Shift + UP arrow
Switch to right	Ctrl + Shift + RIGHT arrow
Cut crossfader	F

Auto-cut slow	Hold G
Auto-cut fast	Hold H
Cut active line fader	AltGr + Z
Volume up/down	+ / - keys

Pre-cueing

Switch to left	Alt + LEFT arrow
Switch to right	Alt + RIGHT arrow
Volume up/down	Alt + up/down key

Library

Load on deck 1 / 2	Menu + LEFT or RIGHT arrow
Add to queue	Menu + ENTER
Remove from queue	Delete
Find in library	Ctrl + F
Refresh library	Ctrl + Shift + R

Sampler

Play sample	X/C/V/B/N/M, AltGr + X/C/V/B/N/M
-------------	----------------------------------

Slip mode

Slip scratch	Menu + scratch deck
Slip play	Menu + click play button
Slip cue	Menu + click cue jump button
Slip loop	Menu + click loop button

General

Play/pause decks	Spacebar
Reset slider	Ctrl + click slider

NOTE: Keyboard shortcuts may vary depending on your selected keyboard layout. Shortcuts in the keyboard shortcuts window will always match the active keyboard layout.

4.8 Settings

To access the **djay Pro settings** click on the **burger menu button** at the top left of the application window.

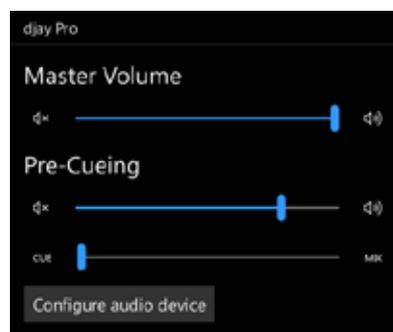
NOTE: Keyboard shortcuts may vary depending on your selected language layout.

4.8.1 Volume controls

Depending on your audio hardware, you can control your **master volume** and **Pre-cueing** volume and pre-cue mix.

Main Output: Select the stereo output source for the master out, ie the audio source to your speakers.

Pre-Cueing: Select the stereo output source for your headphone cue channel, ie what you use to beatmatch and listen to in your headphones.

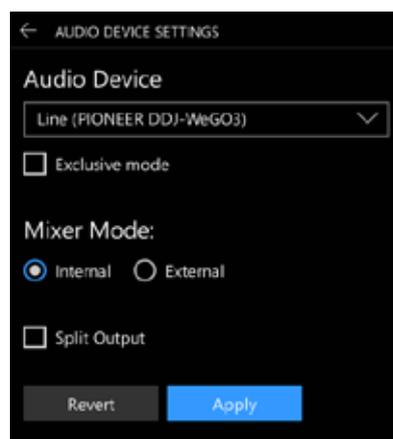


4.8.2 Configure audio device

Audio device: Choose which audio interface to use with **djay Pro**.

Exclusive mode: Tick this to allow djay Pro to have exclusive use of the audio hardware. This is recommended when using external audio hardware to reduce latency.

Mixer Mode: This option allows you to switch between **Internal mixing** (using the crossfader and mixer controls built-into the software) or **External mixing** (using the crossfader on an external, analog mixer).



Split output: Use this if you only have one audio output, to split left and right audio for **master out** and **pre-cuing**.

4.8.3 General settings

Song Loading

Automatically start playing song: Automatically have songs begin playing as soon as they load into a deck.

Automatically jump to start point: Loads the track at the first cue point set with the **CUE SET** action.

Reset (EQ, effects, controls): Sets all your track controls back to defaults upon track load.

Auto-sync BPM: Automatically sets the BPM of your new track to match your currently playing one.

Deck Protection

Prevent song loading on active deck: Locks all your decks while they have a track playing to prevent you accidentally replacing a loaded track.

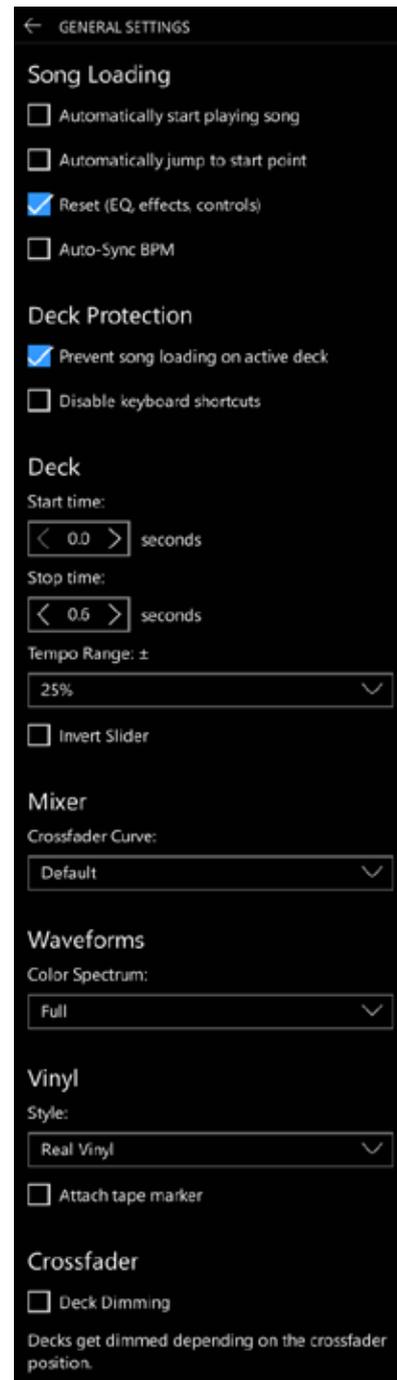
Disable keyboard shortcuts: Turns off all keyboard shortcuts to help prevent accidental control changes while playing.

Deck

Start time: Sets how long it takes for a track to gain full speed from when you hit Play. This effect is similar to the torque adjust on a turntable.

Stop time: Sets how long it takes for a track to stop playing. This effect is similar to adjusting the brake when stopping a track on a turntable.

Tempo range: Changes the +/- maximum percentage of the deck pitch slider. You can choose from 6%, 8%, 10%, 16%, 25%, 50%, or 75%. You can also invert the +/- on both software and hardware layouts.



Invert slider: Swaps the direction of the slider to increase and decrease the tempo of the deck.

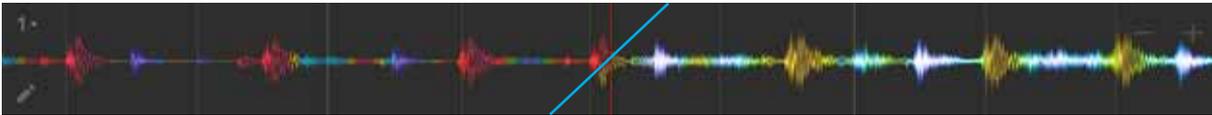
Mixer

Crossfader curve: Changes how the crossfader fades between tracks. Choose from **Default**



Waveforms

Color Spectrum: Switch between **full** and **reduced** waveform colors.



NOTE: See **section 5.2.2 Waveforms** for more details on interpreting waveforms.

Vinyl

Style: Switch between a **Real vinyl** look and a **Picture disc** using the track artwork.



Attach tape marker: Adds a white sticker strip to mark your place on the record.



Crossfader

Deck Dimming: Fades out your decks depending on where the crossfader is placed.



4.8.4 Automix settings

Automix is a feature that allows **djay Pro** to automatically mix your music based on a pre-made, user created track queue. For more information, see **section 5.9.4 Play cue and Automix**.

Transition

Style: This option changes how transitions between tracks are done by the software. Choose from **Standard**, **Backspin**, **Echo**, **Brake**, **Reverse**, or **Random**.

Auto-Sync BPM: Tick this option to force **djay Pro** to match the BPM of all your tracks. This will mean tracks are mixed by beatmatching.

Duration: Changes the length of time mix transitions take. A longer time means mixes are smoother and more subtle, shorter means a faster pace to your mix.

Playback

Shuffle: Turning this on randomly chooses tracks to mix from the play queue.

Maximum song duration: This setting lets you change how long a track will play before **djay Pro** loads and mixes a new track.

Start transition <xx> seconds before reaching end of song: Tells **Automix** to start mixing a new track a specific amount of time before the end of the current track.

Use start and end point of song if available: Choose whether mixes will include both the start and end of the tracks.

4.8.5 Media library settings

Key

Sort by: Changes how our tracks are ordered when sorted by key. Choose from either **Similarity (circle of fifths)**, or **Pitch distance (chromatically)**.

Distinguish major/minor keys: Toggle whether your key metadata shows **major** or **minor** keys.

Queue

Remove Songs When Played: With this checks, songs will be removed from the queue after they've been played. Otherwise, your queue will remain.

iTunes

Select iTunes library: Choose the correct location for the iTunes **library.xml** file to display your iTunes playlists in **djay Pro**.

Spotify

Quality: Switch between **Low bandwidth** (96 kbps) **Default** (160 kbps) and **High** (320 kbps) audio when streaming music from **Spotify**.

4.8.6 MIDI settings

Crossfader Cutting Mode gives you an ultra-sensitive crossfader.

Invert Crossfader reverses the direction of the crossfader

Jog Pitch Bend Mode toggles non-touch-sensitive jogwheels between pitch-bend and scratch modes.

4.8.7 Advanced settings

Volume

Audio Limiter: Toggles a hard audio limiter to help reduce distortion and other artifacts related to clipping sound.

Auto Gain: Toggles whether **djay Pro** automatically sets the channel gain when a track is loaded to match the rest of your mix. Disable this to manually adjust the gain of each track.

Key

Key detection: Allows **djay Pro** to work out the key of the music during track analysis.

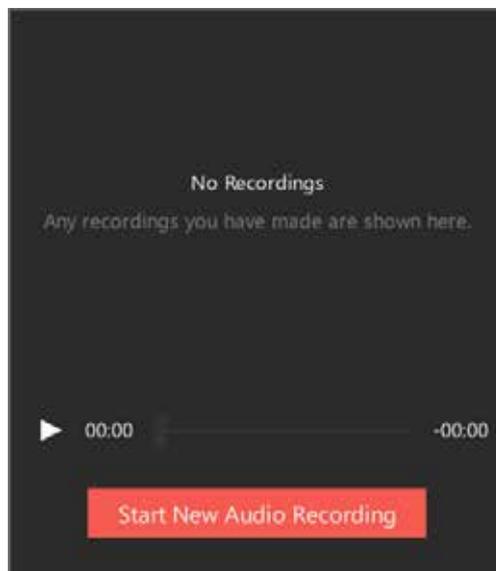
4.9 Mix recorder

Recording your mixes is as easy as pressing a couple of buttons. **djay Pro** saves recorded audio files as **WAV** (uncompressed audio). Pressing the red **RECORD** button at top brings up the mix recorder menu.

NOTE: The **mix recorder** is only available while mixing internally, with your own music files. For external setups (such as an audio interface connected to an analogue mixer) you will need to capture the audio direct from the output source.

4.9.1 Audio

The mix recorder pop-up lets you record your music sets and manage your recordings in one place. Simply hit **Start New Audio Recording** to record your mix. You can manage your saved mixes by clicking the **MENU** icon on the right. From this menu, you can **Rename** the file, **Delete** the file, or **Show in Explorer**.



4.10 Uninstalling djay Pro

To completely remove **djay Pro** from your system, you need to follow one of these two steps.

1. Delete the **djay Pro** app using **Add or remove programs**. Find **djay Pro** in the list of software, select it, and click **Uninstall**.
2. Click the **Start Menu**, type **djay** until the **djay Pro** app shows, and right-click it. Choose **Uninstall** from the context menu.

NOTE: The following settings won't be affected, as these are stored separately: song metadata like BPM, beat grid, cue points; history; recordings; samples and sample presets; and MIDI mappings.

4.10.1 Algoriddim stored data

If you wish to remove or edit the **djay Pro** stored data, you can find it at this location:

Windows Store version: %LOCALAPPDATA%\Packages\59BEB1A.djayPro_e3tqh12mt5rj6\LocalState\Library\Algoriddim

Demo version: %LOCALAPPDATA%\Packages\Algoriddim.djayPro_ysvet2nbq0e5e\LocalState\Library\Algoriddim

You can access these folders by pasting them into your Explorer's address bar.

The Algoriddim stored data folder contains the following data:

- **djay Preset Library.plist:** cue points, first down beats and all other data set by the user
- **Metadata:** per-song analyze data (e.g. waveforms, beat grids, etc.)
- **Sets:** your DJ set history as displayed in the **djay Pro** media library
- **Samples:** custom audio samples (including recorded samples)
- **Sampler Presets:** custom audio sampler presets

Note: To move **djay Pro** to another computer, simply copy the **Algoriddim** folder to the same location on the new machine. You can also create a backup by saving this folder.

Advanced features

5 Advanced tools

Doing a simple mix within **djay Pro** only requires some of the basic features and knowledge of DJing, but there are many more advanced tools to explore and exploit. From adding extra decks of music, to improving your library management or using the built-in sampler, there's plenty to take your mixing to the next level.

5.1 Advanced deck layouts

Along with the default two-deck layouts, you can run up to four separate decks of audio at once. Much like with the two-deck layouts, you can present the track waveforms scrolling vertically or horizontally.



5.1.1 Four decks

You can access the four deck views via the **deck view** buttons at the top of the window. While similar to the default two deck view, some parts of the user interface will be different to accommodate the extra controls.

Like its two-deck counterparts, the four-deck **horizontal waveform view** scrolls from right to left.



The **vertical waveform view** has the music scrolling from top to bottom.



TIP: The **vertical waveform** views are more compact and space efficient, but the **horizontal views** are able to show more of the scrolling track.

User interface changes

There are some changes to the way the user interface works when in four-deck views. This section is an overview of some of the changes.

Mix recorder: The **mix recorder button** has moved to sit with the window state buttons at the top right of the interface. Mixes are still recorded in the same way (see **section 3.5 Recording your mix**).



FX, pitch and loop controls: The **deck effects/loop/cue panel reveal button** can also be found next to the window state buttons. The pitch fader is now combined with these controls and will only show when the panel is active.



Deck track info and volume: Deck volume controls become part of the track info panels at the top of the window.



Crossfader routing: When in four-deck mode, **djay Pro** allows you to choose which side of the crossfader to route your music to, as well as pass the audio through to disable the crossfader.



There are three options for routing your deck audio:

1. **Left** crossfader channel
2. **Thru** to have the deck ignore crossfader assignment
3. **Right** crossfader channel

After switching back to two-deck view, you can reset your crossfader routings using the button that replaces the crossfader. This button sets your crossfader back to the standard **Left/Right**.



TIP: If you're using more than three decks of audio, it helps to default your crossfader to **Thru** and use the channel volume faders, unless you intend to do crossfader tricks or cuts.

5.1.2 Waveforms

Glancing at a waveform in **djay Pro** can give you critical information very quickly. Each deck has both a **track waveform** and **scrolling waveform** to provide all the information you need. Both views are color coded to show which audio frequency is playing at that point in the track: **RED** represents bass, **YELLOW** for low-mid, **GREEN** for high-mid, and **BLUE** is for high frequencies.



Track waveform

The **track waveform** displays the full visual representation of the audio file, from start to finish. This view also shows your colored cue points **(1)** (see **section 5.12 Cue points**) and a red track progress marker **(2)**.



TIP: You can quickly jump to any part of the loaded track by either clicking the location of two-finger swiping across the waveform.

Scrolling waveform

This is a zoomed-in visualization showing your current location that scrolls along as the music progresses. Since this view follows the music, it will move or jump backwards and forwards should you manipulate the sound with scratching, scrubbing or jumping to cue points. In this view, you can see your cue points **(1)** as they scroll past, the red progress marker **(2)** showing the exact location in the music and the beat markers **(3)**, including the downbeat of each measure **(4)**.



5.2 Beatgrids

5.2.1 What are beatgrids?

The word beatgrid is a literal definition of itself. Track beatgrids are a grid of key markers overlaid on top of a track, to ensure the BPM of the music is consistent. In practice, beatgrids are used by DJ software to make sure that tracks are synced in time (either quantized to the beats, or just tempo synced) and that the timings of effects and samples are accurate.

5.2.2 Setting a beatgrid

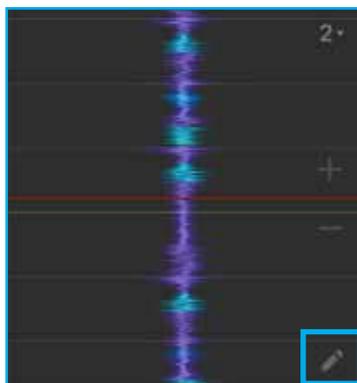
When you first load a track into a deck, **djay Pro** analyzes the file to create the visual representation of the music, along with what it estimates is the correct beatgrid for the music. This beatgrid is based on two things: the starting downbeat (ie the first beat of the track), and the tempo (ie beats per minute) of the track.



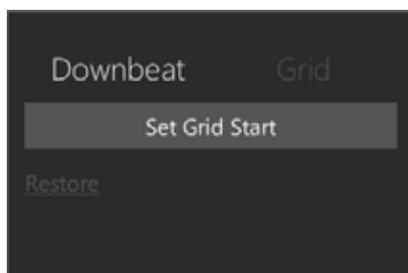
5.2.3 Adjusting incorrect beatgrids

Occasionally, **djay Pro** will analyze a track's beatgrid incorrectly, and might need manual editing. This is a simple to do.

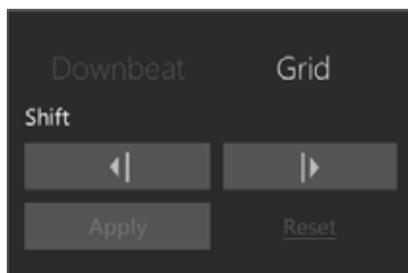
1. Make sure the offending track is loaded in a deck and that the track has finished analyzing.
2. Click the little **pencil icon** to open up the beatgrid editor.



3. If the downbeat is incorrectly placed, find the right location, and in the **downbeat tab**, tap **Set Grid Start** to reset it.



4. You can also adjust the grid itself to further tweak your beatgrid by going to the Grid tab and using the **back** and **forward** nudge arrows.

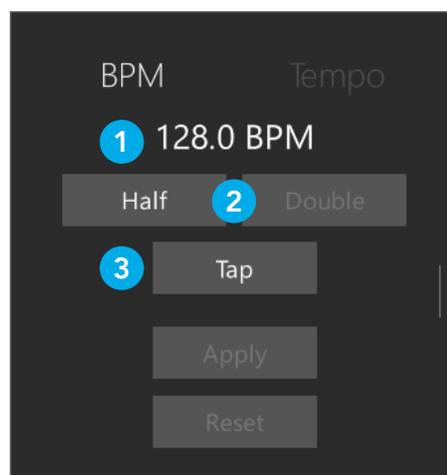


5. If, at any time, you need to roll back to the original beatgrid created by **djay Pro**, you can use the **Reset** button on either tab.

5.3 BPM and tempo

5.3.1 Adjusting BPM

Occasionally, **djay Pro** analyses a track and guesses the wrong **BPM**, causing the beatgrid to be set incorrectly, or guesses the **BPM** at half or double the actual **tempo** of the track. Using the BPM tab in the **BPM & tempo** pop-up, you can change the BPM, should you need to.



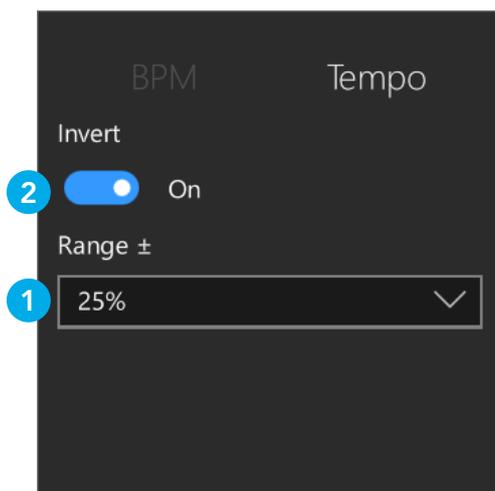
1. **Manual adjust:** If you know the correct BPM, type it in after clicking the **EDIT** pencil icon and hitting **ENTER**.
2. **Half/Double BPM:** Use these buttons if you find the BPM is half or double the correct tempo.
3. **Tap:** You can approximate the correct BPM by using the Tap button. While the track is playing, click the Tap button in time with the beat until a BPM reading show.

Once you've adjusted the BPM, you can click **Apply** to save, or **Reset** to go back to previous settings.

TIP: Many modern electronic productions will have a rounded off **BPM** which should be easy to fix manually should **djay Pro** not analyze correctly.

5.3.2 Tempo sensitivity

Use the **Tempo** tab of the **BPM & tempo** pop-up to tweak your tempo slider sensitivity and settings. From here, you can change the percentage increase/decrease **Range** the slider can change **(1)**, as well as **Invert** the slider **(2)**, like many turntables feature.



NOTE: djay Pro determines the master deck based on which is currently the loudest. For example, if the crossfader is moved all the way to the left, deck 1 will be selected as the master deck. While this is all done 'behind the scenes', it will help to be aware how it works. The master deck helps maintain track sync, as well as determine key match (see **section 5.5 Key lock and changing key**).

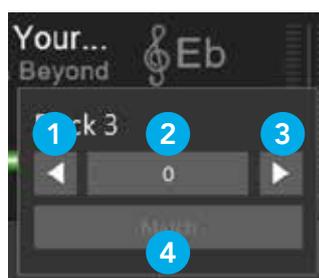
5.4 Key lock and changing key

In **djay Pro**, you can keep your music from changing pitch as you increase the tempo by using **Key lock**. To activate **Key lock**, click the **musical note** button (1) to the outside edge of the deck tempo slider.



TIP: Key lock can sometimes affect audio quality, particularly with big tempo changes.

You can also match the key of tracks using the **key match** feature, as well as transpose the key by semitones, all using the **key options panel**. To access the panel, click on the track key display in the deck info (see **section 1.2 Interface tour**).



1. **Down semitone.** Transposes the audio down a semitone.
2. **Key transpose activate.** Toggle on/off the key transpose of the deck audio.
3. **Up semitone.** Transposes the audio up a semitone.
4. **Key match.** Matches the key of the audio to that of the master deck.

5.5 Syncing

There are two ways to sync music within **djay Pro**: **tempo sync**, and **beat sync**. Both can be accessed using the **deck sync buttons** (see **section 1.2 Interface tour**). For a more detailed explanation of syncing music, see **section 2 Glossary of terms**.



5.5.1 Tempo sync

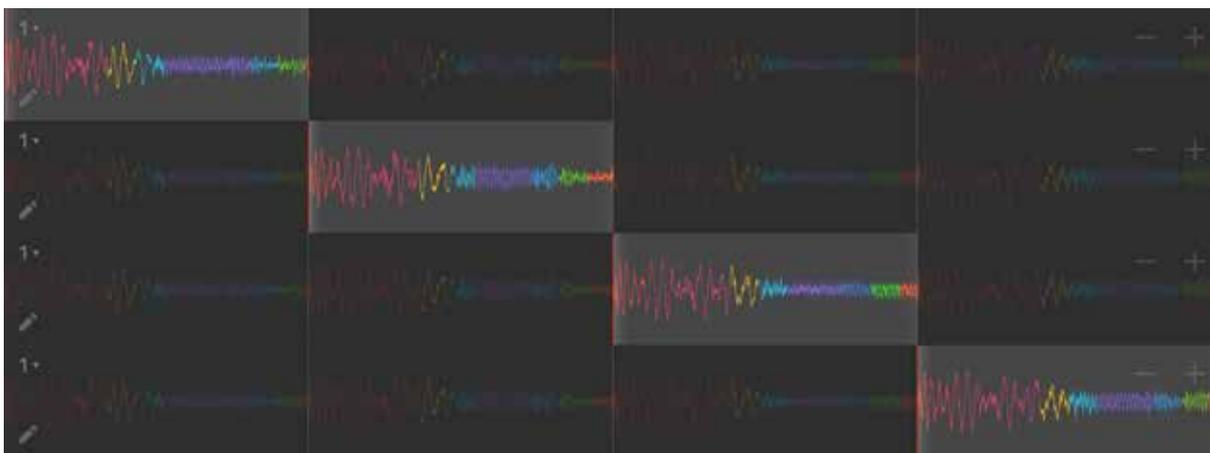
Tempo sync simply matches the **BPM** of a deck track to the current master deck, but allows decks to play independently. To activate beat sync, press the **SYNC button** once on the deck you would like to match to the playing audio.

5.5.2 Beat sync

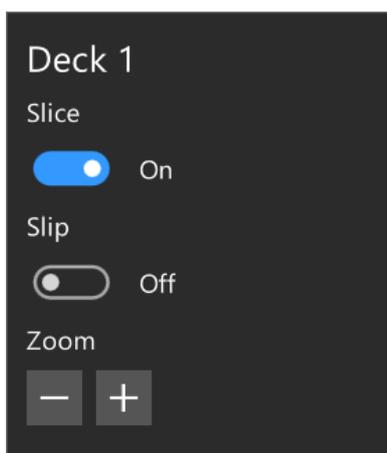
Beat sync takes it a step further and quantizes the beats to ensure they stay in time, by matching the downbeat. To activate beat sync in **djay Pro**, make sure the you already have a song playing, and press the **SYNC button** twice on the other deck with a track loaded and ready.

5.6 Slicer mode

Slicer mode helps you quickly juggle hotcues on the fly while playing your tracks. As the audio progresses, the slicer tracks the current four or eight beat measure and "slices" it, creating a virtual hotcue for each beat, which can be mapped to buttons or pads on a MIDI controller.



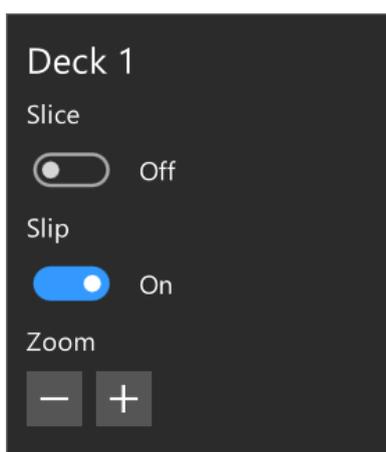
To activate the **Slicer**, use the waveform pop-up on your preferred deck, and activate the **Slice** option.



To disable the **Slicer**, reverse the process.

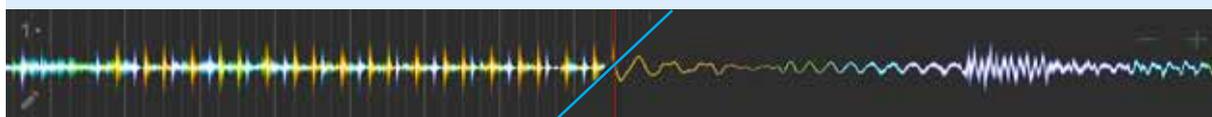
5.7 Slip mode

djay Pro has **Slip mode** for scratching with jogwheels. While enabled, Slip mode continues playing audio when the jogwheel is used. This works for both virtual (software) and hardware jogwheels.



To enable **Slip mode**, activate the option within the waveform pop-up. Reverse the steps to disable the feature. You can also start deck playback with slip mode automatically activated by using **MENU + PLAY button**.

NOTE: You can also use this panel to change the Zoom of your scrolling waveform



5.8 Library management

With today's DJs carrying thousands of tracks in their collections, managing your music has become as important a skill as any. With **djay Pro**, you have access to a powerful and flexible library browser, with features you'd expect from any professional DJ software.

Knowing your way round your music collection not only saves you time in your workflow, it can help give you confidence while you're busy in a mix. The library browser within **djay Pro** offers tools to help you get the most out of your music.

5.8.1 Browser overview

For a breakdown of the elements of the **Media library browser**, please revisit **section 4.3 Media library browser**.

5.8.2 Analyzing your music

While **djay Pro** analyzes each track the first time it's loaded, this can take up computing resources and may interrupt playback. You can set up **djay Pro** to analyze your whole music collection, or even just parts of it, as a batch operation.

NOTE: Spotify tracks can not be pre-analyzed.

TIP: Batch analysis can be quite resource intensive so should be left running while your computer is free from other tasks. The task might be best left overnight or while you're away from your screen.

5.8.3 Previewing tracks

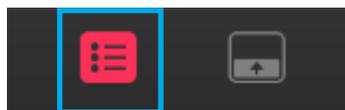
With **djay Pro**, you can preview your tracks directly from the library. Previewed tracks will play via your pre-cue channel. For example, should you have a controller with audio interface set up, you can hear your previews in your headphones.



To preview a track, click the menu button on the far left of the track in the library tracklist **(1)**. From this menu, you can also add to the **Play Queue (2)** or load the track in a deck **(3)** using the buttons on the right.

5.8.4 Play Queue and Automix

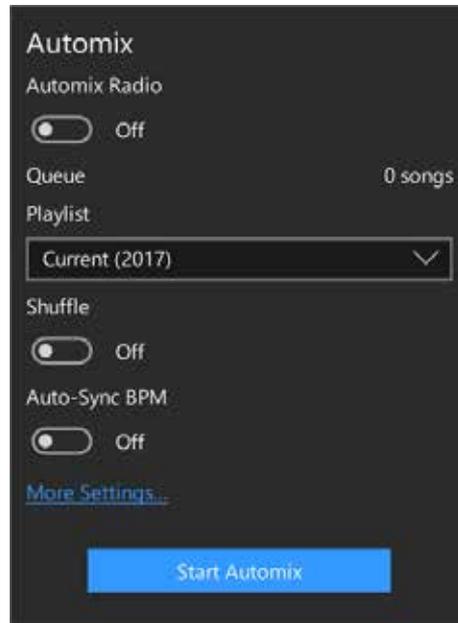
The **Play Queue** acts as a playlist which stays up to date by removing tracks that have already been played. To access the Play queue, use the button on the far right button group at the bottom of the window.



You can add tracks to the Play queue several ways:

1. Drag individual tracks into the **Play Queue** from your playlists.
2. Right click tracks and choose **Add To Queue**.
3. At the top left of the playlist, next to the playlist name, click the song count drop-down and select **Add All To Queue** to quickly add the whole playlist.

Tracks in your play queue can be mixed automatically by **djay Pro** using the **Automix** feature. Automix will load, cue and crossfade any tracks in the queue.



- **Automix Radio:** Sets Automix to find tracks to play from your whole collection
- **Queue:** Shows the number of tracks currently in your play queue.
- **Playlist:** Choose whether to only play tracks in your current playlist or not.
- **Shuffle:** Randomizes the play order of your tracks.
- **Auto-Sync BPM:** Automix attempts to beatmatch your music during blends.
- **More Settings...:** Opens up the Automix preferences.
- **Start Automix:** Begins Automix adding tracks from your play queue or playlist.

TIP: You can add tracks from any of the library tabs to your play queue.

5.8.5 List views

Compact grid

This view displays the most track information, but it is densely packed and has no cover art displayed.

Name	Artist	Album	Genre	Time	BPM	Key	Year	Duration	Comments
Just (Original Mix)	Bicep	Just EP	Deep House	06:12	120	Dm	2015		Electro - breaks uplifting - 7A
Adhesive	Lhasa	The Attic	Techno,Gl...	04:30	122	Em	1990		Electro - - 8A
Nine Rite Nine (Instrumental) (Original Mix)	Mison	Nite Rites	Breaks	05:34	120	Dm	2016		electro - 7A
Auto Man	Newclaus	Jam For The 90's	Dance & DJ	05:48	106	Am	2007		Electro -rhythm is a dancer - 8A
Tryouts to the Human Race (Extended Version) - 8A	Sparks			07:56	126	Am			Electro pop - sampled on Musek...
Basically (Original Mix)	Tel Sñ	Verde	House	04:51	100	Bm	2015		Nu Disco - female vocals slow sa...
I Can't Feel My Face (Henry Salz Remix)	The Weeknd			05:13	106	Am			Progressive House - slow 105bp...
Divergent (Original Mix)	Alex Niggemann	Divergent	Techno	09:55	124	Cm	2015		Progressive House - busy rhyth...
Virgo (Original Mix)	Alex Niggemann	Virgo	Tech House	08:27	123	Om	2015		Progressive House - 6A
Isomethyl (Original Mix)	Applausal	Latone Highway EP	Electronica	06:20	121	Cm	2016		Progressive house - slow mellow...
Epkur (Original Mix)	David August	Epkur EP	Deep House	08:10	118	Fm	2014		Progressive House - mellow des...
Pop Culture (Loris Voorn Remix)	DJ Dootz	Pop Culture Remixes	Tech House	06:45	126	F	2015		Tech House - rolling vocal scree...
Shiva (Guy J Remix)	DJ Nukem & Crab			06:18	126	A			Progressive House - driving - 11B
Nirvana (Original Mix)	Guy J	Nirvana	Progressiv...	10:16	120	Gfm	2015		Progressive House - slow upliftin...
Paradox (Original Mix)	Guy J	The Trees, The Sea...	Electronica	10:16	110	Am	2015		Progressive House - slow like sat...
Mandala (Original Mix)	H4z3	Mandala / Cordoba	Progressiv...	07:44	124	Bm	2016		Progressive house - big proggy a...
Lucero Del Alba (Original Mix)	Henry Salz	Night Out EP	Electronica	08:27	119	Om	2016		Progressive House - techy - 6A
Tender Skin (DJ Tennis Remix)	HVOB	Tender Skin/The An...	Electronica	06:59	120	Dm	2015		Progressive House - female voice...
The Hanging Tree Bootleg V3_MASTER	Jennifer Lawrence			06:14	118	Am			Progressive house - folk vocal ...
L'orgasmique electronique (Original Mix)	Jose Maria Ramon, WILL...	Once Upon a Time		06:28	121	A	2015		Progressive House - epic big sou...
No Infinity (Jones Saalbach) (Original Mix)	Jose Maria Ramon, WILL...	Once Upon a Time		06:28	121	Am	2015		Progressive House - huge chilled...
No Infinity (Original Mix)	Jose Maria Ramon, WILL...	Once Upon a Time		07:39	121	Am	2015		Progressive House - big breakdo...
Brink-12 - 8A	Komponent			07:32	120	Am			
Number One Hero (Feat. Rush Midnight) (Peter Par...	Lahar	Number One Hero (I...	Electronica	08:32	122	Cfm	2016		progressive house - slow male v...

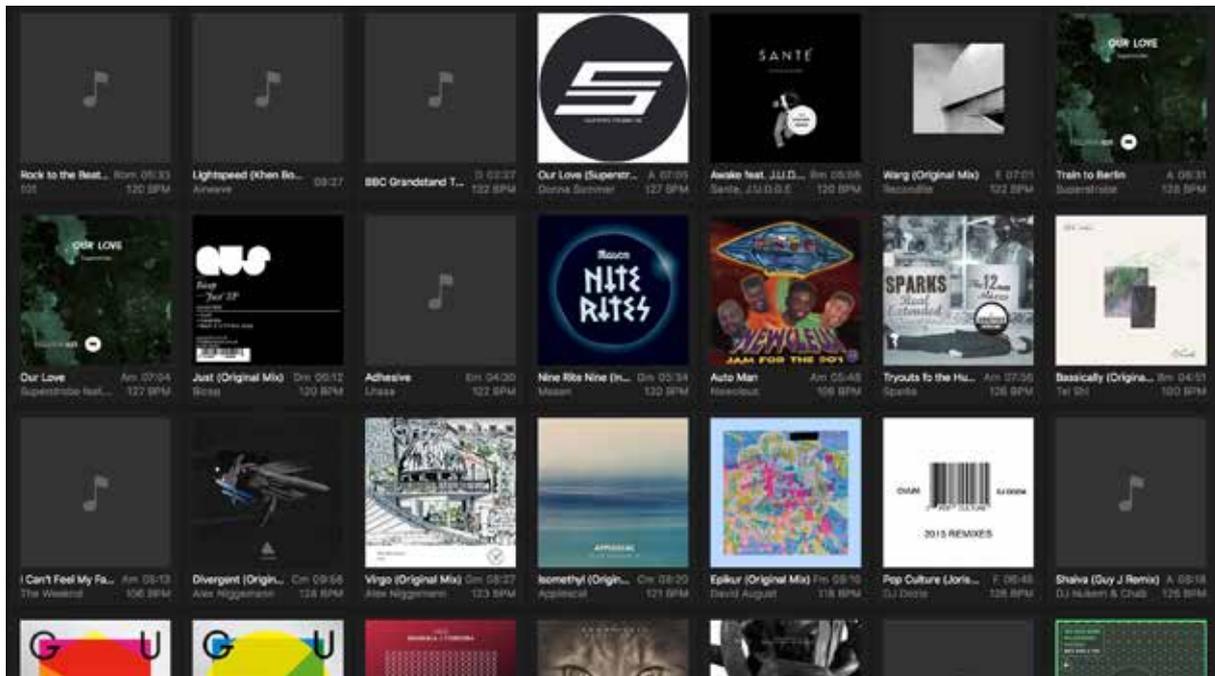
Regular grid

This view is less crowded, and shows cover art along with metadata.

Track	Artist	Album	Genre	Time	BPM	Key	Year	Grouping	Comments
Wang (Original Mix)	Recondite	Pfalenz	Techno	07:01	122	E	2018		Techno - dark melodic - 8A
Train to Berlin	Superstrobe	Our Love	Techno	06:31	128	A	2018		Promo sent by Superstrobe - 6A
Our Love	Superstrobe feat. Paula...	Our Love	Techno	07:04	127	Am	2018		Promo sent by Superstrobe - 6A
Just (Original Mix)	Bicep	Just EP	Deep House	06:12	120	Dm	2018		Electro - breaks uplifting - 7A
Adhesive	Lhasa	The Altic	Techno/Ele...	04:30	122	Em	1990		Electro - - 6A
Nine Nine Nine (Instrumental) (Original Mix)	Mason	Nine Nines	Breaks	05:34	120	Dm	2018		electro - 7A
Auto Man	Newcleus	Jam For The 90's	Dance & DJ	05:48	106	Am	2007		Electro -rhythm is a dancer - 8A
Tryouts for the Human Race (Extended Version) - 8A	Sparks			07:56	126	Am			Electro pop - sampled on Musak...
Basically (Original Mix)	Tai Shi	Verde	House	04:51	100	Bm	2018		Nu Disco - female vocals slow sa...
I Can't Feel My Face (Henry Saltz Remix)	The Weekend			05:13	106	Am			Progressive house - slow 106tp...
Divergent (Original Mix)	Alex Niggemann	Divergent	Techno	09:56	124	Cm	2018		Progressive House - busy rhyth...
Virgo (Original Mix)	Alex Niggemann	Virgo	Tech House	08:27	123	Gm	2018		Progressive House - 6A
Isomethyl (Original Mix)	Applesalt	Leone Highway EP	Electronica	08:20	121	Cm	2018		Progressive house - slow mellow...
EpiKur (Original Mix)	David August	EpiKur EP	Deep House	08:10	118	Fm	2014		Progressive House - mellow des...
Pop Culture (Lorle Vroom Remix)	DJ Dizzle	Pop Culture Remixes	Tech House	06:46	126	F	2018		Tech House - rolling vocal scree...

Collection view

Cover art is featured prominently in this view, but it doesn't have metadata columns.



5.8.6 Metadata columns

Similar to many music players, the playlists in **djay Pro** display track metadata (ID3 tags) as columns within the compact and regular list views. You can customize which columns appear in your playlist by right-clicking the metadata bar at the top of the playlist window and ticking or unticking the desired metadata to display. If you need to edit your track metadata, you will need to use **iTunes**, **Windows Media Player**, or some other music management application.

NOTE: **Spotify** music metadata is managed on **Spotify's** servers and isn't user-editable.

NOTE: Metadata sorting is unavailable in **collection view**.

NOTE: The type of metadata columns can change depending on the source of your music. For example, **Spotify** will make different metadata available to **iTunes**.

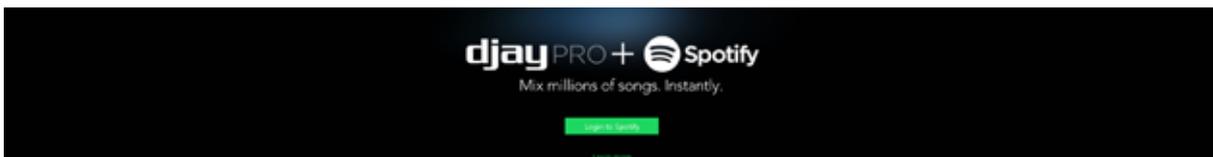


5.8.7 Sorting your music

You can use the metadata columns to sort your music quickly and easily. Click on the column you wish to sort by to switch between ascending and descending order, as well as a third click to switch back to the default play order. For example, sorting by artists will make the list ordered alphabetically, and sorting by BPM will order from slowest to fastest tempo and vice versa.

5.8.8 Spotify

With a Spotify Premium account, you can have access to millions of tracks, directly within **djay Pro**. To get started, select the Spotify tab from the music sources panel on the left of the library. All you need to do is log in using your account details to access everything in your Spotify library.



Playlists, Charts, and Browse

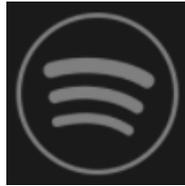
From the Spotify tab, you can access all the playlists you've previously created from the Spotify desktop music player. There are also sections for the latest **Spotify Top 100** chart and music categories to browse for hits. You can switch between these sections using the three buttons in the middle of the bottom bar.



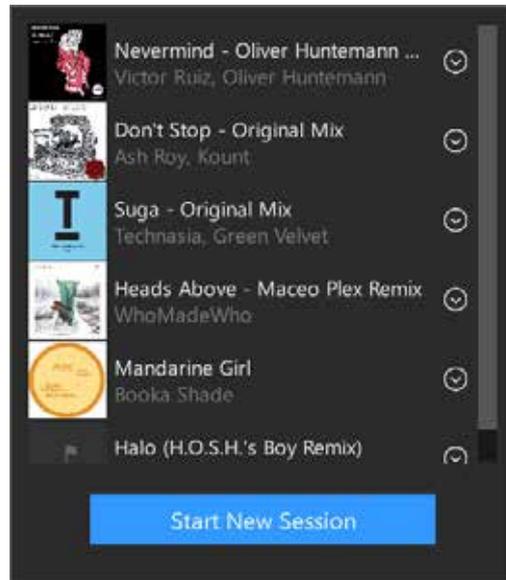
NOTE: You can only view playlists within the **djay Pro** library browser. You will need to either edit your playlists within **Spotify**, or use the **Spotify button** to save your session as a playlist.

Spotify button

The **Spotify button** replaces the **mix recorder button** at the top of the window. You can quickly save the tracks you've played so far in your set as a Spotify playlist.



1. Once you have finished your set, click the **Spotify button** to bring up the **session recorder**.

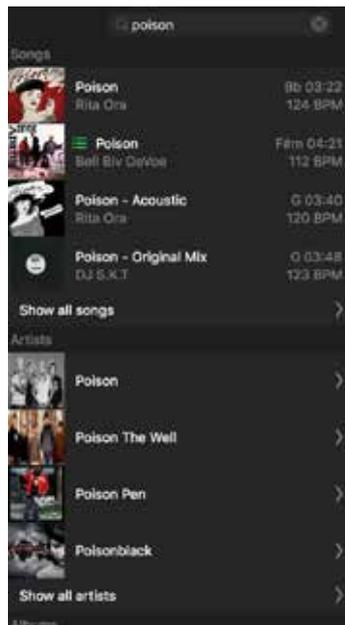


2. To clear the session, hit **Start New Session**.
3. To save your current list as a Spotify playlist, click the icon next to the **Start New Session button**.
4. Give your playlist a unique name and click **Save**.

NOTE: Mix recording will not work when you use tracks from **Spotify**, due to licensing agreements. Recording a mix disables the **Spotify tab** and using **Spotify** disables the **mix recorder**.

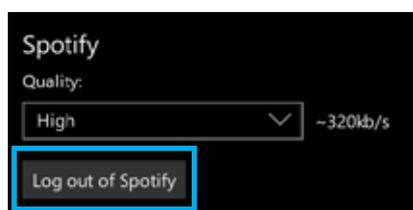
Searching Spotify

You can search for any tracks within the **Spotify** database via the search box, while in the Spotify tab. Search results can then be expanded further using the **Show all songs...** button below each set of results. You can expand results from Songs, Artists, Albums, and Playlists.



Logging out

To log out of **Spotify** within **djay Pro**, go to the **Media library settings** menu item and select **Log Out Of Spotify**.



NOTE: Remember that access to **Spotify** requires a **premium account**. You will need to upgrade if you have the **free account**.

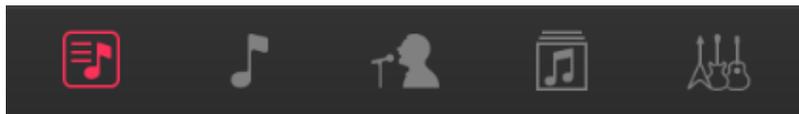
5.9.9 Music playlists

Your music playlists from **Windows Media Player** or **Groove Music** are automatically loaded into **djay Pro** when you launch the app. The collection can also be sorted by **Music**, **Artists**, **Albums** and **Genres**, using the buttons in the middle of the bottom bar, similar to the Windows Music Player desktop app.



5.9.10 iTunes

You can access your **iTunes** collection directly from within **djay Pro**. This includes all your music, playlists and folders, as well as any smart playlists you have created.



5.8.11 History

All your DJ sessions are automatically saved by **djay Pro** in the **History** tab of the library browser. Saved sessions are similar to playlists and show the tracks from each session in the main browser window. You can also **rename** and **delete** your saved sessions by **right-clicking** on them and using the context menu.

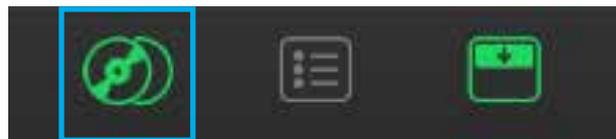
5.8.12 Explorer

Access your stored music files from anywhere within **Explorer**. You can add folders from multiple locations, including network and USB drives. To add a folder to the browser, go to the **My Mac** tab click **Add folder** at the top of the browser tree.

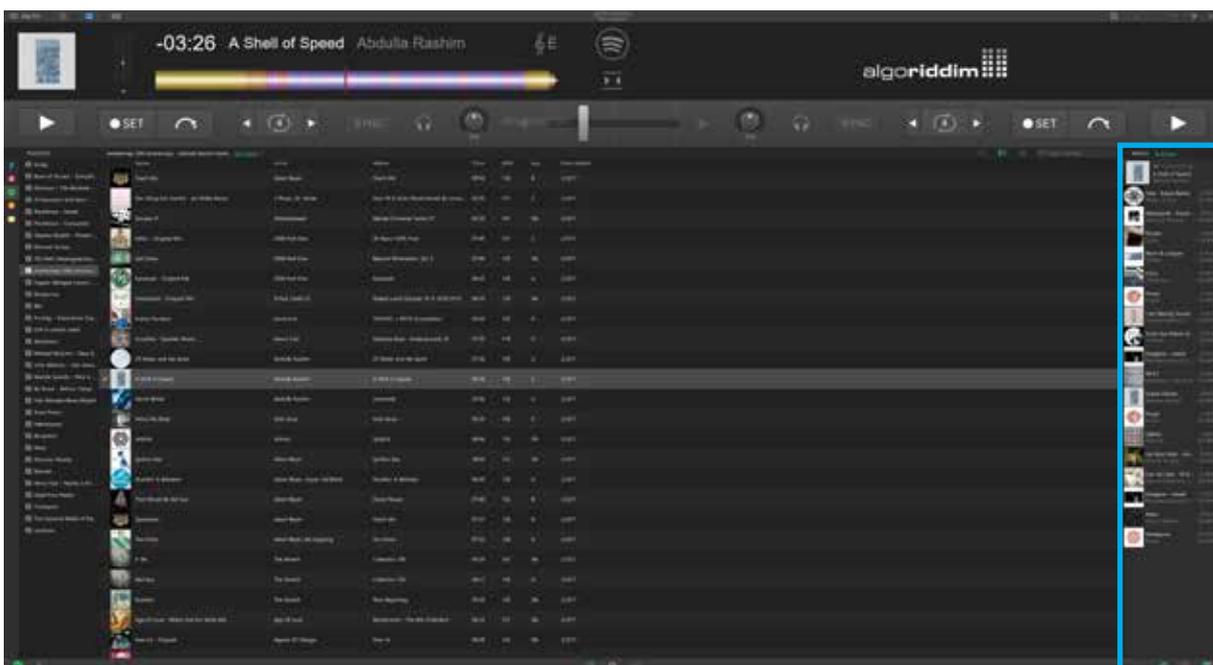
NOTE: If a folder is unavailable (for example disconnected or offline), it will be greyed out in the browser tree.

5.8.13 Track Match

If you're struggling to find the right tune to play, **djay Pro's Track Match** feature can help narrow down the list. Track Match suggests what to play next based on the last track played and which tunes in your collection have similar genre, BPM, and root musical key. You can access the feature while using the **Spotify** tab in the **media library**.



Track Match appears as a list down the right side of the library browser and shows up to 24 track suggestions. To show or hide the Track Match list, use the Track Match icon at the bottom right of the app window.



When you use **Track Match**, **djay Pro** will access the entire **Spotify library** for recommendations. This makes it a very powerful tool, offering the widest possible choice of suggested tracks to play next.

TIP: Use **Track Match** as a guide rather than the rule. Learn to trust your ears above all else and you'll discover much more creativity.

5.9 Effects

There are a total of 39 different audio effects in **djay Pro**, with five **Essentials** included and the rest available to unlock within the app.

To access the effects controls, use the **Advanced controls panel** toggle button that can be found in the middle of the deck info panel (in two-deck mode) or on the left of the global controls bar (in four-deck mode).



Essentials

- Echo
- Flanger
- Phaser
- Bit crusher
- Gate

Sugar Bytes Resonate

- Reverb
- Beatverb
- Gate panner
- Gate masher
- Sweep delay
- Stutter delay
- Quack delay

Sugar Bytes Modulate

- Space flanger
- Filter machine
- Zeitgeist
- Tonalizer
- Magnetizer
- Tremolizer

Sugar Bytes Warp

- Deep phaser
- Vowel LFO
- Wobble
- Beatwobble
- Scratcher
- Reactor
- Deformer

Sugar Bytes Slice

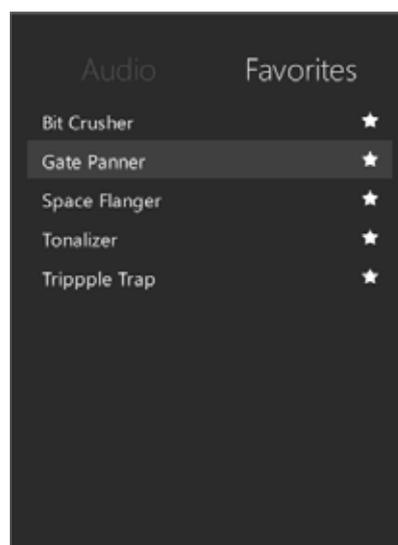
- Time travel
- Space hop
- Trippple trap
- Snare gun
- Bumble bee

Sugar Bytes Juggle

- Looper
- Complexer
- Uhnk uhnk
- Bass gun
- Wake up
- Chromatic
- Freestyle
- Shuffle
- UFO

5.9.1 Favorites

You can easily access your favorite effects in their own tab. To add to your favorites, just click the **star symbol (★)** next to the effect. You can add or remove effects to the favorites list as you see fit.



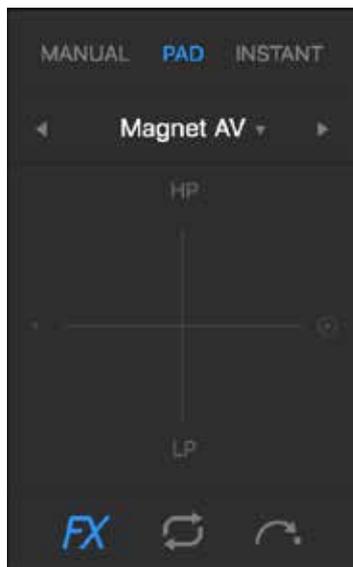
5.9.2 Using effects

Audio decks display effects in three different ways. Depending on the deck type, you can switch between them on the fly to change how you perform. Depending on whether you are using audio decks, you will have access to different controls, which are outlined below.

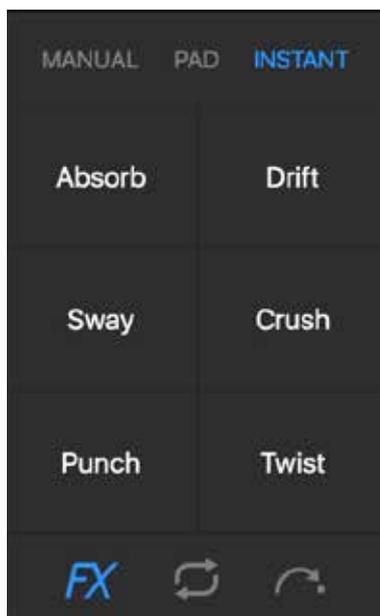
Manual: Decide the activation, dry/wet amount, as well as the effects quantity, giving you absolute control at your fingertips.



Pad: Control the effects using an X/Y pad, similar to those on traditional hardware effects units and musical MIDI controllers. Using the X/Y pad automatically switches the effect on.



Instant: This is a panel of six pre-made effects designed for 'instant gratification'. You can choose from **Absorb**, **Drift**, **Sway**, **Crush**, **Punch**, and **Twist**.



5.10 Loops

You can extend your music and create extra texture to your mix by using **Loops**. From creating vocal stabs to playing a distinctive breakbeat over a track, loops open up a world of mixing.



There are two ways to start a loop:

1. Using the **loop creator** within the deck transport section;
- or;**
2. Using the **advanced loop panel**.

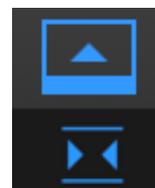
5.10.1 Loop creator

To activate a loop using the loop creator, select the loop length using the **left/right arrow** buttons, and at the correct point in the track, click the middle **loop active** button.



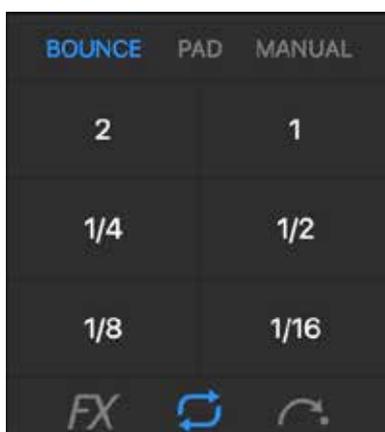
5.10.2 Loop panel

You can use the advanced loop panel for even more looping options. To access the panel, you will need to click the advanced deck panel button, then tap the loop icon within the panel. You can then switch between **BOUNCE**, **PAD**, and **MANUAL** at the top of the panel.



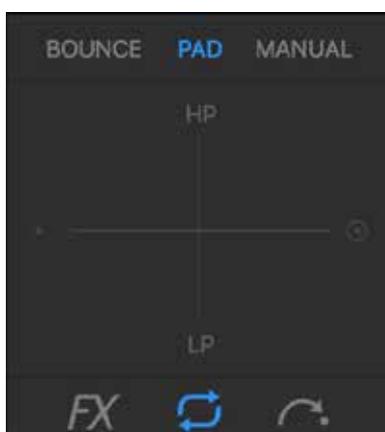
Bounce

Use six trigger pads to quickly switch between loops of different lengths. Loop length varies from 1/16th of a beat to two beats.



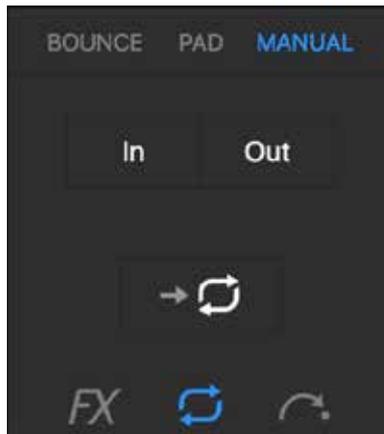
Pad

Much like with effects, you can use the X/Y pad to simultaneously apply a manual loop length and high-pass/low-pass filter for an interesting effect.



Manual

You can manually set loop length by triggering **loop IN** and setting **loop OUT** when ready. Loops are automatically quantized to ensure they're in time.



TIP: Use the **Bounce** pads to create build up with a **beat roll** just before a drop or breakdown in the music.

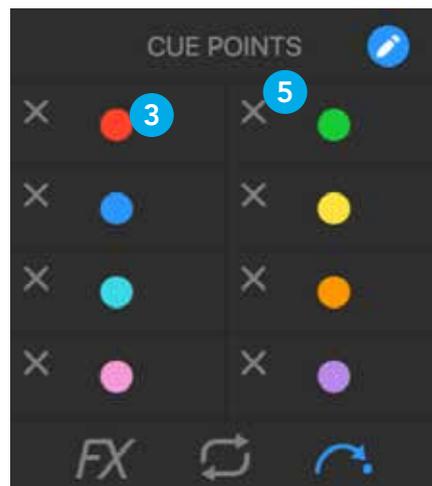
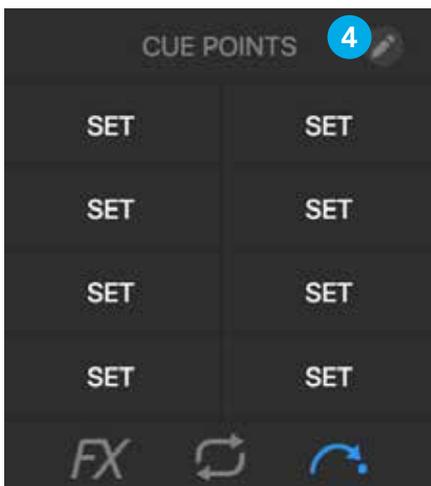
TIP: Use **loops** to extend intros and outros on tracks that are too short to mix.

5.11 Cue points

You can store up to eight **cue points** per track in **djay Pro**. These **cue points** can be created on-the-fly or prepared beforehand and remain saved in your collection database.



To add a **cue point**, simply move the track marker to where you want **(1)** and tap an unassigned cue button **(2)**. Each of your cue points will be assigned its own color **(3)** to easily identify which is set where on the waveform. You can delete your cue points via the **cue point edit button (4)** at the top right of your cue point panel. When **edit mode** is active, use the **X** on each button **(5)** to remove the cue point from the track.



5.12 Sampler

djay Pro features a built-in **sampler** that can play either the default sample packs (Essentials included with the software, others available to purchase and unlock) or your own recorded samples. To access the sampler, use the sampler button, next to the **window state buttons**.



The sampler consists of two grids of six pads, and as default, come preloaded with the Essentials pack of classic audio clips and sounds. The other packs available are:

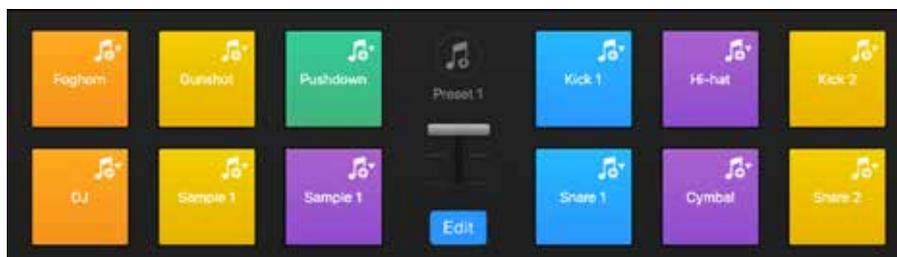
- Sound FX
- Dubstep pack
- DJ Qbert beat kit
- Snoop Dogg pack
- Milk & Sugar pack
- GE Drop Science pack

To access these sample packs, click the **sampler preset button** just above the sampler volume fader in the middle of the screen. You can see all the available sample packs along with a tab for your own user presets called **My Presets**.

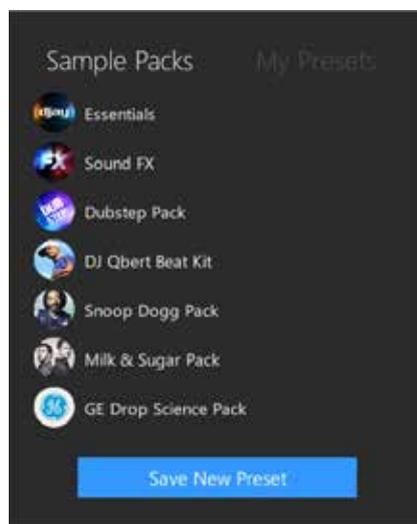
Adding your own samples

You can create your own samples and presets by importing audio clips into **djay Pro**.

1. First, bring up the sampler interface using the sampler button and click the **Edit button** just above the crossfader. The button will light up blue and each of the sampler slots will now have an icon appear to allow you to edit them individually.



2. Click the new button on one of the sample slots to show the sample manager. You can either add a sample from the library by choosing the correct pack from the dropdown and clicking a sample in the list, or add your own by clicking the **Add Sample** button.
3. To add a sample, navigate to the correct location on your computer and click the **Add** button.
4. You will then see a new sample appear in the sample manager list. You can rename the sample to make it easier to remember by clicking the menu button on the right and choosing **Rename**. You can also customize the sampler button color or delete the sample if you need to try again.
5. Once you're happy with the sample, ensure it's selected for that sample slot and click out of the sample manager to hide it.
6. Repeat for each of the sample slots until you have all the samples you need.
7. Once you are happy with the custom samples, click the **sampler presets** button just above the sampler volume fader, go to the **My Presets** tab and press **Save new preset** to create a new, custom user preset that you can now use at any time.



8. Rename the preset using the button to the right of the preset name and you're good to go!

NOTE: The **sampler** is only available when using two audio decks.

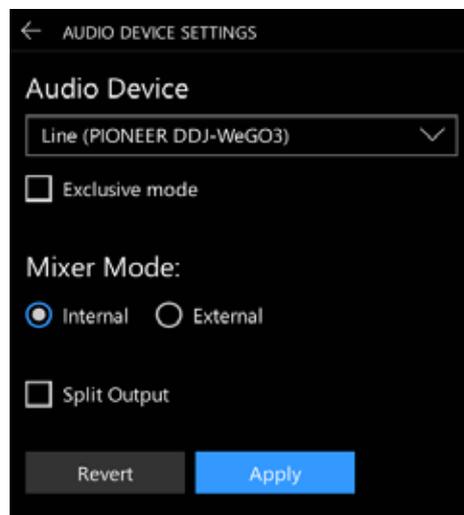
5.13 Using hardware

Algoriddim works closely with hardware partners to create the perfect integration of machine and software. With big brands like Pioneer DJ, Reloop, and Numark, as partners, there's hardware to suit all styles of DJing.

5.13.1 Controllers

Using a MIDI controller is an important factor in a good DJ workflow. You can see a full list of supported controllers on the [Algoriddim Windows support site](#). Setting up an officially supported controller is straightforward plug-and-play:

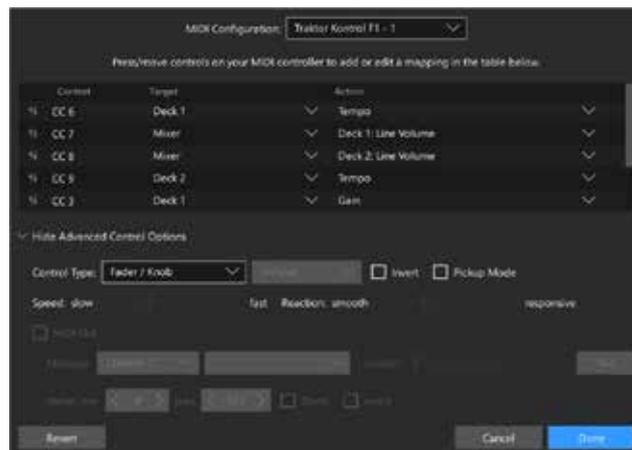
1. Ensure that **djay Pro** is fully loaded.
2. Plug your controller in via a spare USB port and power it up using the **ON/OFF** switch or **power** button.
3. Once the controller has powered up, go to the settings menu click **Configure audio device**. Select the correct audio interface from **Audio device** list and click **Apply** to use default preferences.



4. You should now have control of **djay Pro** using your controller.

5.14 MIDI mapping

Custom MIDI maps are a powerful and flexible way to get the most out of your hardware and workflow. If you find yourself missing some functionality from your existing setup, you can easily add an extra MIDI controller, or simply change the way your current one is mapped.

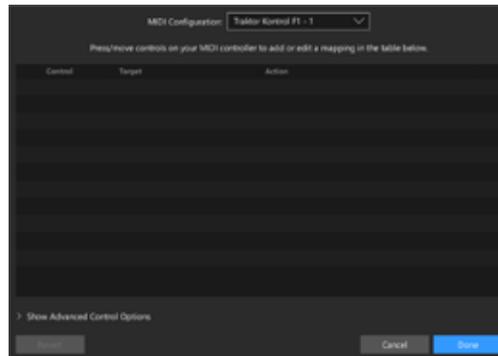


To start mapping a new MIDI device, follow these steps:

1. Launch **djay Pro** and wait for it to be fully loaded.
2. Plug your MIDI controller into your computer via a spare USB port and turn it on. If this is the first time using the controller, you will see a pop up message asking if you want to configure the device. Click **OK**.



- Next, the device **MIDI Configuration** window will load, displaying a blank mapping screen.



- To start mapping your first MIDI signal, use the desired control for the editor to pick up the correct note or CC to add to the list. Press a button on your controller to add this to the list.
- You then need to select both the **Target** within the software and the **Action** the control will perform. From the **Target drop down** in the list, choose **Deck 1**, and from the **Action dropdown**, choose **Play/Pause**.
- You have now mapped the **Deck 1 PLAY** button to your controller. Load a track and test it out!
- Keep mapping the basic controls until you have everything you need and hit **DONE** to save the config.

MIDI control targets

Targets are a simple way to break down what controls your MIDI signals are "targeting". These targets are general areas of the user interface to help make it easier to find the right command to map. You can choose from **Decks 1 to 4, Mixer, Music library, Sampler, Microphone, or General**. You can further drill down into these target sections through the target's **Actions** dropdown.

Advanced control options

To show the **Advanced Control Options**, expand the section by clicking the header. These settings are designed to tweak how your MIDI commands respond, should they not work as you want them to.

Control type: Choose from **Button, Fader/Knob, Rotary (01h/7Fh), Rotary (3Fh/41h), Rotary (absolute)**.

Invert: Swaps the direction of your control.

Pickup mode: Controls with this option checked will only start responding once they've reached ("picked up") the MIDI value they last received. This is useful when using one control for different functions (ie two mixer channels sharing one fader as 'layers').

Speed: Change the slider between **Slow** and **Fast** to alter the size of movement between steps. This is particularly useful when using endless encoders for scrolling, for example.

Reaction: Use this option to change how **Smooth** or **Responsive** you want your jogwheels to feel. The more 'responsive' this is set, the more immediate jogwheel movements will feel.

MIDI out: Check this box to activate the option for **djay Pro** to return MIDI signals to your controller. You can use **MIDI out** commands to let **djay Pro** respond with LED feedback for controls that allow it (for example, pads with backlight or LED toggles).

Message: Change the **channel** and **message type** for your MIDI signal. Choose between **Note on/off** or **Control Change (CC)**.

Control: Selects which control a return message is sent to. This can be different from the mapped control.

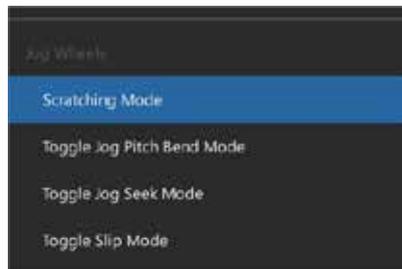
Value: Set the **minimum** and **maximum** value of the MIDI out signal, and whether to **blend** it, and/or **invert** it.

TIP: Most controls should work by simply enabling the option, but some may need you to experiment with the other settings or read your controller's documentation.

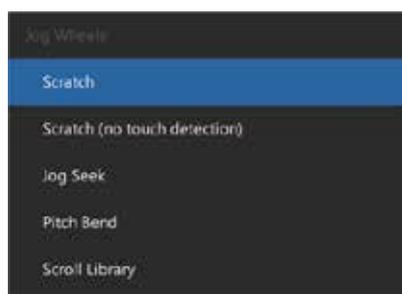
5.14.1 Mapping Jogwheels

There are three essential commands that need to be mapped to get basic jogwheel functionality working on a controller: **Scratching mode** (note), **Scratch** (CC), and **Pitch bend** (CC). Both the CCs also need their **Speed** and **Reaction** adjusted to suit user taste. You can edit your jogwheel MIDI mappings within the device **MIDI Configuration** editor.

1. The **Scratching Mode** MIDI command is designed to switch your jogwheel to be able to scratch on non-touch-sensitive platters. Touch the top of the jogwheel to add or focus on the note in the editor. Select **Deck <number>**, and **Scratching Mode** (in the **Jogwheels** section of the dropdown)

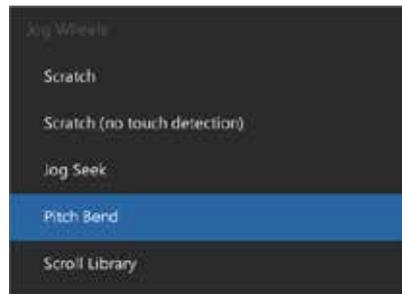


2. Touch the top of the jogwheel and move it backwards and forwards in a scratching motion to add/focus the command in the editor. Add the **Deck<number>**, **Scratch** action (from Jogwheels section) to the command to add scratching capabilities to your jogwheel. If your jogwheels aren't touch sensitive, you can use the **Scratch (no touch detection)** CC instead.

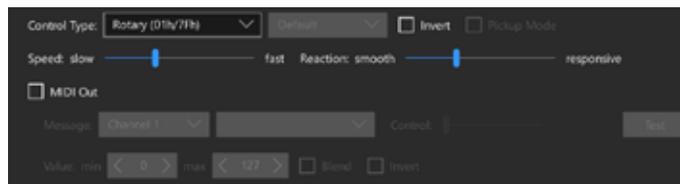


NOTE: Check your hardware specifications to find out if your controller has touch sensitive jogwheels.

- To add Pitch bend functions, touch the side of the jogwheel and move it to add/focus the command in the editor. Choose the **Deck <number>, Pitch bend** action.



- Finally, you can adjust the **Sensitivity** via the **Advanced Control Options** section of your MIDI actions (see **section 5.15 MIDI mapping**). Play with both the **Speed** and **Reaction** sliders until you are satisfied with the feel of all the jogwheel behavior.



If your controller supports it, you can also add an extra layer of **SHIFT** commands to control other software features by holding down the **SHIFT button** while adding the commands in the device **MIDI Configuration** editor.

TIP: The **jogwheel** is treated as any other rotary control, meaning you can also use them for controlling **effects** or even **browser** navigation!

5.14.2 Editing an existing mapping

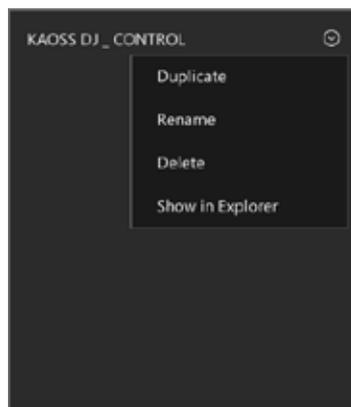
You can also modify an existing MIDI mapping to suit your needs. Select your existing controller's **MIDI Configuration window** to access these changes via the **MIDI settings** menu item (see **section 4.8.6 MIDI settings**). The **device MIDI editor** will already show a list of all the mapped controls. Using the guide above, you can add to or alter the commands any way you need.

TIP: Sometimes you can find alternative mappings for hardware on the **Algoriddim** or manufacturer forums.

TIP: Many controllers have **SHIFT** functions to double up your control options.

5.14.3 Importing and exporting mappings

All your custom controller mappings are saved automatically when you click **DONE** in the **MIDI configuration** window. You can quickly access your mappings folder from the **MIDI configuration window** via the **MIDI mapping list** window, by choosing **Show in Explorer** from the dropdown next to the mapping.



Within the **mapping list** window, you can also manage these files in one convenient place.

1. To quickly find where they're saved, open the MIDI configuration window and click **Edit Configurations...** from the drop down box at the top.



2. In the new window, select the controller from the list and choose **Show in Explorer** from the **Options dropdown** at the bottom.
3. You can also use this window to organize your mapping files. Select the mapping from the list and use the dropdown to **Duplicate**, **Rename**, or **Delete** the file.

You can also add new mapping files to **djay Pro** by downloading and double-clicking them. The controller mapping files use the ***.djayMidiMapping** extension and will be recognized by Windows 10 as unique to **djay Pro**.

Tips and support

6 Tips and support

We all need some extra tips and assistance from time to time. If you have any questions that haven't been covered so far, this section will point you in the right direction.

6.1 Special tips

A big part of being a DJ is understanding how to get the best possible quality out of your equipment, and **djay Pro** for Mac is an important part of that. From mixing in key to ensuring the sound stays under control, **djay Pro** is designed to help you achieve that perfect sound. Follow the tips below to help craft your mix and push your boundaries. Being a DJ is an ever-evolving skill set, and you can never know too much.

6.1.1 Avoid the red

It's important to get your audio levels right from the start. Making the sound too loud can result in distortion and make the music unpleasant to listen to. While everyone likes loud music, it's important to give your audio plenty of space (known as headroom) to avoid any unpleasantness.

1. First, make sure your channel gains are properly set. You want to set your channel gains as close to zero as you can (this means setting it so it just avoids the red at its loudest point)
2. Remember that each channel of audio will add extra volume to the master output and adjust accordingly. Use EQ or the volume faders to cut out extra sound while you're mixing. This becomes especially important when you're mixing with more than two decks.
3. Never push the volume too much on any one part of the audio chain. If your amplifier is at maximum, it'll start to sound bad as it pushes too hard.

You can use the **Autogain** and **Autolimiter** features built in to **djay Pro** to assist you. For more information on this, see **section 4.8.7 Advanced settings**

6.1.2 Audio file quality

The recording and encoding quality of your music files is critical to getting the most out of your sound system. While the argument about what quality audio DJs should seek rages on, most everyone agrees that you should aim for at least **192kbps stereo MP3** quality, with **320kbps stereo MP3** as the ideal.

6.1.3 Mixing in key

All music has a **root musical key**, which works with other musical keys to create pleasant harmonies. Tracks that have clashing keys can sound bad when played together (especially during 'musical' parts, rather than percussive parts). You can use **djay Pro's key lock** and **key analysis** features to better piece your music together.

EXTRA TIP: This is one of the ways the **Track Match** feature works, and is a skill many DJs find essential.

6.1.4 Know your tracks

Modern digital music might be much better mastered than in the past, and there might be better ways to be visually aware of your tracks, but there's no substitute for knowing them inside out. Not only does it help you understand your volume levels, it also gives you insight into how best to structure your mix.

6.1.5 Keep your library tip-top

It's easy to get overwhelmed with the wealth of music in your collection, so keeping it lean, and ensuring all your track metadata is accurate and up-to-date will help you stay on top of things. Resist the urge to fill your library without considering your musical tastes. DJs are known as **music selectors** for a reason.

6.1.6 Cables

Every step in the chain affects the quality of your audio. The condition, as well as quality, of any audio or digital cables is important to ensuring consistent and reliable sound. That doesn't mean you need to spend a fortune on audiophile cables, just make sure you have cables you can trust.

6.2 FAQ and Support

If you have any technical issues, or questions not answered in this manual, please visit the [Algoriddim support community](#) and [FAQ](#). You can also contact [Algoriddim email support](#) directly by using the support portal to raise a ticket.