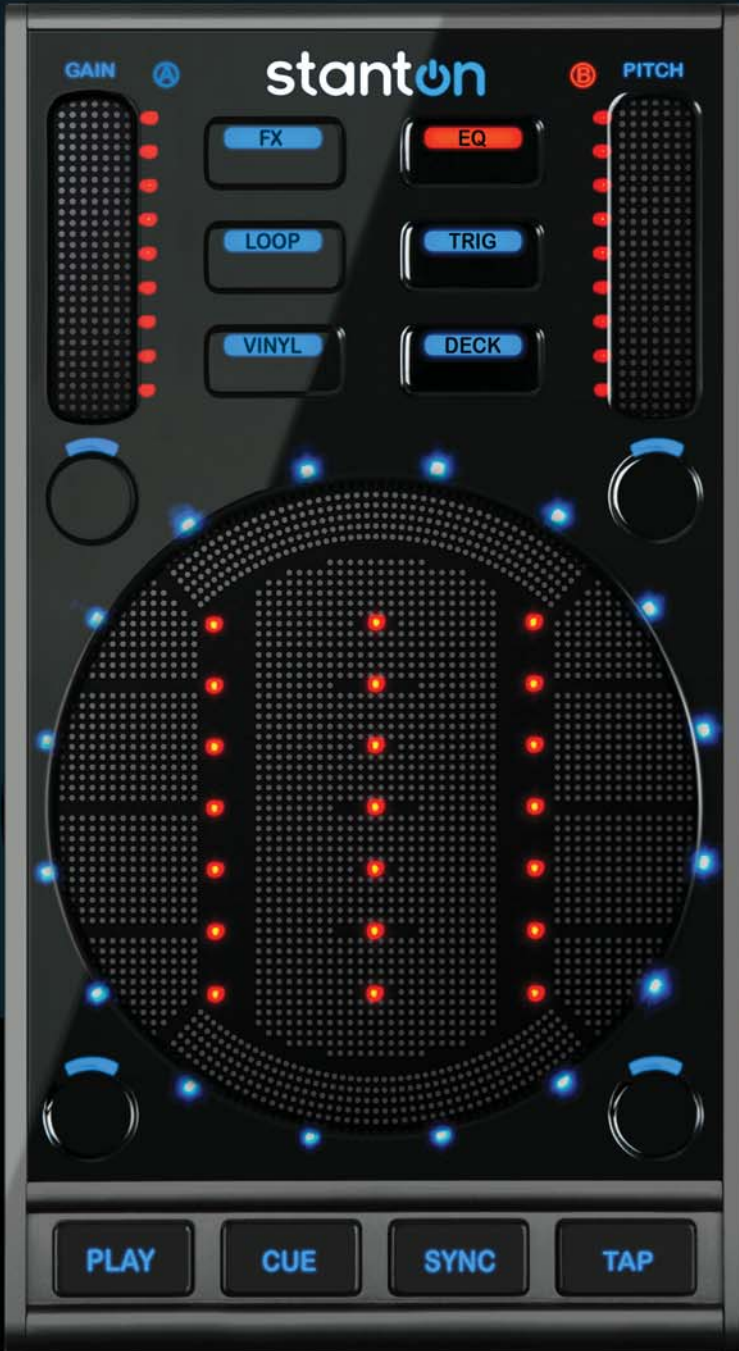


DaScratch

PERFORMANCE CONTROL SURFACE

SCS.3d



Welcome to DaScratch!

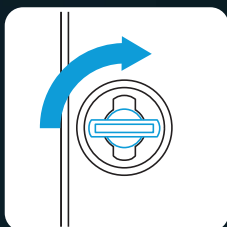
Thank you for purchasing DaScratch. DaScratch is the ultimate touch-sensitive MIDI controller.

DaScratch allows you to control your music software in new and exciting ways. Using a new touch-sensitive technology called StanTouch™, DaScratch allows you to use faders, buttons and an innovative scratch and scroll surface to “touch” and interact with your sound in new ways yet with a familiar analog feel. So if you are a DJ, VJ, musician, multimedia artist, or producer you can expand your creativity via this compact controller.

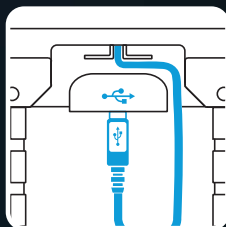
I'm sure you're anxious to play, so let's get started!

Connecting DaScratch

You've probably noticed that the USB cable is included separately below DaScratch in the box, and that there is no apparent USB jack on the DaScratch. It's actually hidden in a compartment on the bottom of the controller. This compartment can be used as a storage bay for the USB cable when travelling.



To open the back, first look for 2 knobs and turn them so that they are oriented vertically. When both knobs are turned, remove the back by pulling the bottom of the panel up. When the back panel is off, you will see the USB jack close to the top of the unit, along with a lot of extra room. I wonder what that is for...



Plug the cable into the jack. Notice that you are able to route the cable out through several places in the back (top, bottom, left, and right). This is so you can accommodate your own setup needs. Routing the cable through the top gives the added benefit of providing stress relief, preventing the cable from being pulled out accidentally.

Now you can plug the unit directly into your computer. If you **MUST** use a USB hub, make sure it's a powered hub for reliability. Upon connection, you should be greeted with a “light show” to let you know that the unit is connected and ready to go. No drivers are needed for DaScratch, although the operating systems will see it differently. In Vista and OSX, it will be seen as the “SCS.3d”. In XP, it will be recognized as “USB Audio Device.”

To confirm that the unit has properly installed in your operating system perform these steps:



In Windows XP / Vista

1. Load device manager by clicking Start > Control Panel > System > Hardware and clicking “Device Manager.”
2. In the device list expand “Sound, video and game controllers” and confirm USB Audio Device is listed.

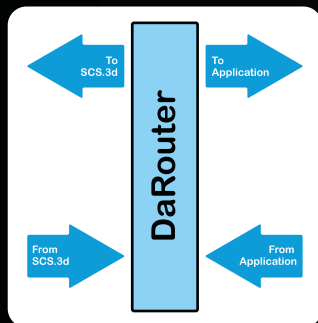


In OSX

1. Load “Audio / MIDI Setup” by browsing to Applications > Utilities > Audio / MIDI Setup. Double click Audio / MIDI setup.
2. Click the MIDI devices tab and confirm “SCS.3d” is listed.

If all went well, you're now ready to install the software. If the setup didn't go as outlined, please visit www.stantondj.com/dascratch for troubleshooting information or contact Stanton Customer Support via the number listed on the back of this quick start guide.

Installing DaRouter Software



To get the most out of DaScratch, we combine it with some special software called DaRouter (see a theme here?). DaRouter is like a little brain for DaScratch, unlocking its full potential to do amazing things with applications. DaRouter is a real time, high-speed logic engine that was designed to grow, not just always act the way it was born. Controls coming from DaScratch are processed through the DaRouter and sent along to the application via a virtual MIDI driver. In this way, DaRouter can not only change the messages coming from the unit but can also change how the unit responds to the application. The coolest part about DaRouter is that it is powered by the industry leading “Bome’s Midi Translator” which actually allows for all of the logic in DaRouter to be modified by means of a single preset file.

DaRouter software and application presets are available as free downloads from the Stanton website. Perform the following steps to install DaRouter and presets on your computer:

1. Download DaRouter off of Stanton’s website at the following location: www.stantondj.com/dascratch
2. Install DaRouter

In Windows XP / Vista

Double click the DaRouter setup file, and follow the instructions provided in the Stanton DaRouter Setup Wizard. Towards the end of the installation, Windows will ask you to install a driver. Accept, and if prompted choose “Continue Anyway.”

In OSX

Double click the DaRouter.dmg file. Then, just drag the DaRouter icon into your Applications folder.

3. With your DaScratch connected to your computer, start the DaRouter software by double clicking its icon.

Using DaRouter

When using DaRouter, there are two basic types of presets that you may utilize; generic and application specific. The generic preset allows you to configure the application to DaScratch through conventional MIDI Learn. However, the application specific presets are designed to work specifically with certain applications and provide logic in DaScratch that is focused towards that application.

Using Application Specific Presets

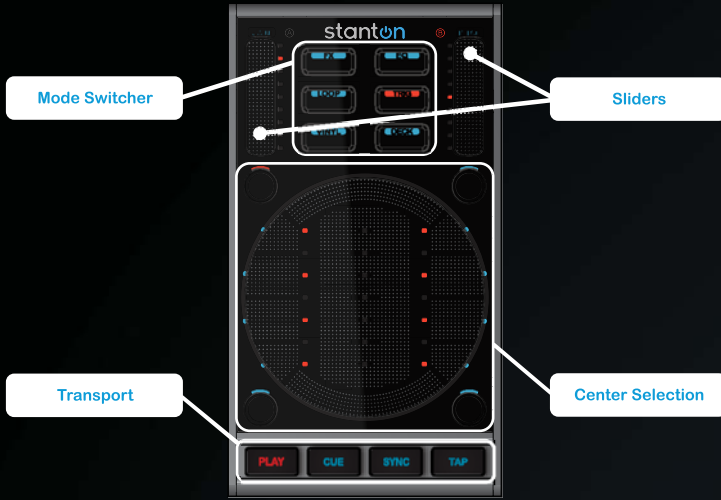
If you already have a DJ application installed on your computer, chances are, there is already a preset available for it. The presets are updated as applications add new features, and it’s always suggested to use the provided preset first, over trying to MIDI Learn the functionality yourself. If you are going to use an application specific preset, you do not need to read the below sections about the generic preset or MIDI Learn. If you are looking to try an application with DaScratch, some demo versions are available on the Stanton website.

1. Go to www.stantondj.com/dascratch and check for the latest preset for your application. You may also download demo applications from this location.
2. Download the preset. The presets will load by dragging them into DaRouter or by pressing open and browsing to them manually.
3. Once you have loaded the preset in DaRouter, you’ll be presented with a dialog that will ask if you would like to read the included documentation. Read the documentation for information on how DaScratch works specifically with your application as each preset implementation is different.

Using the Generic Preset

The generic preset is provided to allow you to MIDI map DaScratch into an application that does not have direct application support. The generic preset will load with DaRouter by default unless you load an application specific preset instead. To understand how the generic preset works, and how to MIDI map with it, continue reading the “Generic Preset Functionality” and “MIDI Mapping” sections of the Quick Start Guide.

Generic Preset Functionality

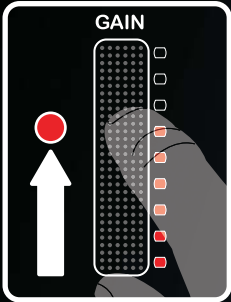


When using DaScratch with the default generic preset loaded in DaRouter, you may utilize the different performance modes to control a variety of functions in the DJ application. With the generic preset, DaScratch is broken into the following main sections: Sliders, Mode Switcher, Center Section, and Transport Section.

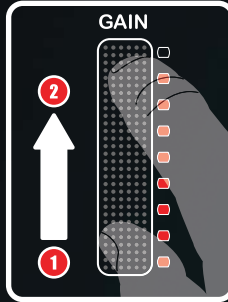
Sliders

On the top of the unit are 2 StanTouch™ sliders. The top left slider works in Absolute mode, whereas the top right slider works in Relative mode. Absolute mode allows quick real time changes to be made, whereas relative mode allows finer adjustments to be made.

Absolute

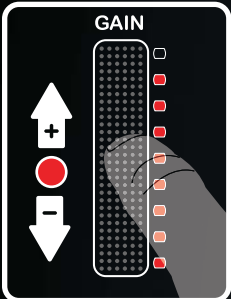


One Finger: Touching the surface will immediately change the parameter being controlled according to exactly where your finger is placed.



Two Fingers: When two fingers are used, the parameter will follow the placement of the first finger then instantaneously jump to the second finger position as soon as it touches the surface. Releasing the second finger will cause the parameter to jump back to the first fingers position. This feature can be used for cutting in parameters such as EQ's, FX, or volume

Relative



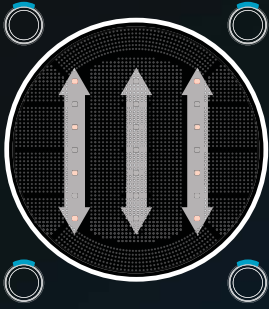
Touching the surface and sliding your finger in a positive or negative direction will increase or decrease the parameter based on how fast and far you move your finger across the surface. Sweeping your finger across the surface multiple times will allow for full range of the parameter control.

Mode Switcher

The Mode Switcher allows you to change what the center section does based upon which mode is selected. The modes include FX, EQ, LOOP, TRIG, and VINYL. The DECK button allows you to switch to another virtual deck, in a sense giving you 2 decks of control with one DaScratch. When switching decks, you will be in "Deck B" which will be illuminated on the top of the unit. When selecting different modes, the center section will change its functionality.

Center Section

The Center Section has 3 main modes; Slider, Circle, and Button mode. The following diagrams show how each mode is set up, and what it can be used for in an application. The buttons around the circular center section will always act as triggers regardless of which mode the center section is in. Within each mode, the center section and 4 buttons around it will change their MIDI messages so buttons / sliders within each mode can map to separate functions in the DJ software without conflict.

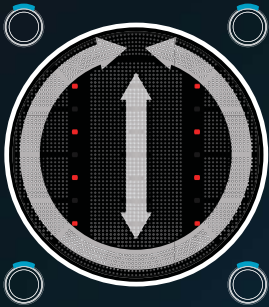


Slider mode

Used in: EQ and FX

Used for: Control of knobs and sliders.

Slider mode gives the user 3 variable controls, which can be used by sliding your finger up and down the areas next to the 3 LED meter bars. A slider may be changed by dragging a finger across the surface, or you may place your finger in an absolute position on the slider and its position will jump immediately to that point. 2 fingers may be used to trigger from one position to the next. For instance, holding one finger on the bottom of a slider and tapping the top with a second finger will make the position update to the top of control for as long as the second finger is held on the surface. Once the second finger is released, the control will jump back to the first fingers position.

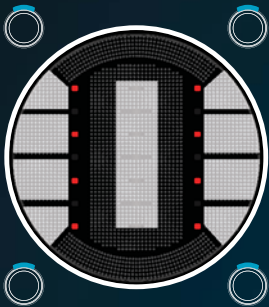


Circle mode

Used in: VINYL

Used for: Control of knobs and sliders.

In Circle mode there is one slider in the center of the surface and a circular slider going around the perimeter of the surface. The outer ring and inner slider will work in absolute mode when using the generic preset, and just like with the slider mode, you may perform finger jumps to quickly change a parameter in real time. Circle Mode is the "default" mode of DaScratch. That is to say that if you plug DaScratch into your computer without using the DaRouter software, it will operate in Circle mode. But keep in mind that without DaRouter, Mode Selector buttons (Vinyl, EQ, Loop, etc) will only send note data and will not change the operation of DaScratch. You will need to run the DaRouter software in order to utilize that functionality.



Button mode

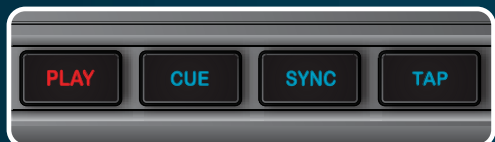
Used in: LOOP and TRIG

Used for: Control of buttons and notes.

In Button mode, the zones highlighted in the diagram to the left will act as triggers to control buttons in an application. For example, these functions could be assigned to loop lengths or cue points in a DJ application. Multiple buttons may be pressed at once when button mode is in use.

Transport Section

The Transport Section consists of four push button switches labeled PLAY, CUE, SYNC, and TAP. These buttons do not change functionality when the Mode Switcher is used and are intended to be mapped towards functions in the application which you always need access to such as transport controls.



MIDI Mapping

You should now be familiar with all the control modes that DaScratch supports in the generic preset. Now you're ready to MIDI map these controls into your application. While mapping controls in software differs from application to application, most DJ software supports MIDI Learn. To map in MIDI Learn mode simply:

1. Ensure that DaRouter is running and the generic preset is loaded. Load the application you are going to MIDI map towards.
2. Select the MIDI device "DaRouter" on the MIDI input port ONLY, DO NOT select the SCS.3d. In order to utilize the functionality of DaRouter you must only use its MIDI port.
3. Consult the owner's manual for the application you're using for specific information on where the MIDI Learn function is found. The following images show the location of MIDI Learn in a few applications and how they work.



Traktor

Go to Preferences > Hotkey & MIDI Setup > MIDI Setup. Select function to learn, then press "Learn."



Ableton Live

Right click on a given control in the application and select "Edit MIDI Map."



Deckadance

Press MIDI in center column. Select function to learn, then press the MIDI LEARN button.

4. Press the desired button or move your finger across the desired slider that you would like to associate with the select MIDI Learn control.
5. Take the application out of MIDI Learn mode and start playing with the controls.
6. For more tips and tricks on generic mapping, and guided walkthroughs, visit www.stantondj.com/dascratch

Troubleshooting

1. When I try to connect DaScratch to the computer, it's not recognized and/or the LEDs on the unit light in an irregular pattern.

Check that the USB cable is securely connected to both the computer and DaScratch. This can also be caused by an underpowered USB port. Make sure that DaScratch is not connected to a non-powered hub. If it's plugged directly into the computer, try using a different USB port.

2. DaScratch seems to be connected properly, but it doesn't respond the way I expect it to in a given application.

This is more than likely caused by either not having the DaRouter software running, or by having the wrong preset selected in DaRouter. First, check to make sure you've selected the correct preset. If it's correct, check to make sure the aliases in the preset are correctly assigned. If your application has some kind of a MIDI setup file, make sure that is also correctly selected.

3. The application I'm using is not receiving any MIDI messages, but DaScratch seems to be working fine (it responds to preset changes and user input normally).

If it looks like DaScratch is running normally, but your application isn't receiving any MIDI messages (or the wrong ones), then it's likely that you have the wrong MIDI interface selected in your application. When using DaRouter, you should select the virtual MIDI port (Stanton DaRouter Virtual In/Out). Selecting "USB Audio Device" or "SCS.3d" in your performance application will only give you the raw output of DaScratch – not the output of DaRouter.

4. It is very difficult to turn the knobs on the back of the unit (when removing the rear cover).

Especially when DaScratch is new, those knobs can be hard to turn with just your fingers. On the top of each knob is a slot in which the edge of a coin can be placed to make turning them easier.

5. I do not have an Internet connection and am unable to download any software associated with DaScratch.

If you are unable to connect to the Internet, Stanton will provide you with the needed software and documentation free of charge. Call Stanton Support at +1.877.578.6866 and it will be shipped out to you.

6. My problem isn't covered here.

Please go to www.stantondj.com/dascratch for more in depth troubleshooting information.



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