

USER MANUAL





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Introduction

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| C DELAY 1 S00ms SYNC FREE TIME | 。」」」」. ゴナカナカチ SUBOIVISION SELECT TEMPO | 128 128 128 128 128 128 128 128 |
| DELAY 2 309ms LOCKTOD TIME | J.S.@J.# | 128 128 128 128 128 128 128 128 |
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The DIG plugin interface

Thank you for purchasing the Strymon DIG plugin! This software offers the same unique effects as in our DIG v2 Dual Delay pedal on a fully digital and intuitive platform.

DIG plugin offers two simultaneous, integrated delays with captivating rack delay voicings from the 1980s and today, for incredible expressive potential. The delays' Time, Level, and Repeats can all be set independently or synced, and their routing can be configured in Series, Ping Pong, or in Parallel for maximum flexibility. Now you can easily apply DIG to any types of audio tracks within your DAW software!

You will need to create a Strymon account to download the DIG plugin software and manage your software license. Please visit <u>www.strymon.</u> <u>net</u> to set up your account. This also allows us to notify you about any updates to the software as they become available.



The features and instructions described within this manual are the same for the DIG plugin on macOS or Windows[®] computers, unless otherwise noted. If you run into any trouble using the DIG plugin, or would like to report any issues you may encounter, please visit the <u>Strymon</u> <u>Support</u> page for FAQs and information on activation, installation, and troubleshooting.

NOTE: DIG plugin is available in AAX[®], AU, and VST[®]3 plugin formats and can be operated at any standard sample rate from 44.1kHz to 192kHz, at either 16-bit or 24-bit resolution.



Installation & Activation

Minimum System Requirements

mac0S

- macOS Monterey 12.7
- Intel[®] Core™ i5 or Apple M1
- 8GB RAM
- AAX, AU, or VST3 compatible plugin host software
- iLok account and Internet connection for activation

Windows

- Windows 10
- Intel Core i5 processor or AMD multi-core processor
- 8GB RAM minimum
- AAX or VST3 compatible plugin host software
- iLok account and Internet connection for activation

Installing DIG Plugin

The downloads for the DIG plugin can be found at the following link:

strymon.net/support/dig-plug-in

Please download the correct installer for your computer's operating system.

Install Locations

The following lists the default install locations for each DIG plugin format:

mac0S

- AAX Library/Application Support/Avid/Audio/plug-ins/Strymon
- Audio Units Library/Audio/plug-ins/Components
- VST3 Library/Audio/plug-ins/VST3/Strymon

Windows

- AAX C:\Program Files\Common Files\Avid\Audio\plug-ins\Strymon
- VST3 C:\Program Files\Common Files\VST3\Strymon

Activating DIG Plugin

Activating the DIG Plugin Free Trial

The DIG plugin can be evaluated with a 7-day free trial by clicking on the Try button from the Activation window that pops up the first time you launch the plugin within your DAW or plugin host application prior to activation. The trial includes a single, non-transferable activation for 7 days of full-featured use of the plugin.

When you purchase an iLok-compatible Strymon software product, the first step is determined by where you purchased the software.

If you purchased the software from the Strymon online store, you can skip to the following iLok Activation Process section.

If you purchased the software from one of our software partner dealers, you must redeem the redemption code you received from that purchase at the following link to receive your activation code. Once you have received the activation code from our site, you can begin the activation process below.

Redeem Redemption Code

iLok Activation Process

1 Create an iLok account at ilok.com. An iLok account is required to complete the activation process. You can skip this step if you already have an iLok account.



2 Download and install the iLok License Manager software from the ilok.com website onto your computer. If you already have the iLok License Manager software installed, it is recommended to check for updates from the application's menu and install the newest version.



3 Open the iLok License Manager software and click the Sign In button to log into your iLok account.



The iLok License Manager main window



4 Redeem your software license by clicking on the Redeem an Activation Code button at the top right of the iLok License Manager window, or choose **Redeem Activation Code** from the Licenses menu.



iLok License Manager - selecting Redeem Activation Code

In the Enter Activation Code window that appears, enter the activation code that you received from your plugin purchase and click Next.*



***NOTE:** If you purchased the DIG plugin from one of our software dealer partners rather than directly from the Strymon.com online store, you must first redeem the code you received from them here to receive the iLok activation code.

5 Once you have redeemed your software license, select the DIG plugin license from the list of licenses under your username and click Activate.

You'll be prompted to choose the location for your activated licence:



To an iLok USB dongle (make sure to have it connected to the computer before selecting to activate the license)...



To your computer...



Or, to the iLok Cloud.

Click Activate again.



6 After you have activated the software license, you can exit the iLok License Manager and insert a DIG plugin instance within your DAW or plugin host project. If activated to an iLok USB dongle, you must connect the USB device to the computer to authorize the use of the DIG plugin.

Returns

We cannot accept returns of any purchase containing an iLok License authorization because the iLok license keys are managed by a 3rd party. If you have experienced a billing or activation issue related to an iLok License purchase, please reach out to <u>Strymon Support</u> for assistance.

Transfers

Purchased iLok Licenses may be "moved" between iLok devices that are registered to your iLok.com account. Purchased iLok Licenses may also be transferred from your iLok account to another iLok account. Move and Transfer instructions are provided on <u>iLok.com</u>. There may be a nominal fee assessed by iLok.com. Trial and other free iLok Licenses may not be moved or transferred.

DIG Plugin Overview

Much like the Strymon DIG v2 pedal, the DIG plugin utilizes a simple user interface, with the plugin offering a top toolbar of controls and a main window. The top portion of the main window offers several options which affect both delays: delay TYPE, routing CONFIGURATION, MODULATION, TONE, and a DRY LEVEL. Below are individual controls for each DELAY 1 and DELAY 2, including delay TIME with Tempo Sync/ Lock to Delay 1 and Free modes, Tap, and selectable Note Subdivisions, REPEATS, and a wet LEVEL.

TIP: You can choose between the DIG midnight **Black** or classic **Pink** color scheme for the plugin interface. See **SETTINGS** on <u>page 14</u>.



The DIG plugin interface - Black (the default) vs Pink Color Schemes

Mono and Stereo Operation

In DAW host applications that offer the option, DIG plugin can be inserted as a mono, mono-stereo, or stereo plugin instance. When the DIG mono instance is in use, its left & right outputs are summed to mono.

NOTE: With a mono instance of the plugin in use and the **CONFIG** option is set to **Ping Pong**, both the left and right channels' delay repeats are automatically panned to center.



Presets

We've provided a set of DIG Factory Presets to get you started. These can be loaded and used as they are, or edited to your liking and then saved or copied for use in all your DAW host's projects.

The loading and saving of all DIG presets is managed within your DAW host application. Each DAW host application presents this Preset Menu and its Preset Load and Save commands slightly differently, as shown in the following examples. Please check your DAW host application's documentation for details.

NOTE: As indicated by their titles, Factory Presets are provided in two versions:

FX Send - with the Dry signal set to 0, for use on an Aux/Bus. In Some DAW hosts, these presets will appear within a separate "FX Send" preset sub-menu.

Insert - with the Wet/Dry mix balanced, for use on an audio track.

Presets - Ableton® Live

In Ableton Live, you'll find DIG's factory presets within the Browser window's Plug-Ins Category list. Double-click on a preset here to launch a new DIG instance with the preset loaded. Or, you can drag one of the presets onto an existing DIG plugin instance within the Device View at the bottom of Live's screen.



Accessing DIG factory presets from the Ableton Live Plug-Ins Browser



To save your own presets, click the Save button of Live's Device View's DIG plugin interface. Your saved presets are accessible within Live's User Library from the Browser window.



Saving DIG plugin's current settings as a user preset in Ableton Live

Presets - Apple Logic

In Logic, click on the Preset menu found at the top of the Plugin Window of your DIG plugin instance and select one of the presets from the bottom of the menu.



Loading a DIG preset from Logic's Preset Menu

To save your own presets, use the Save options within the menu. Your saved presets will appear at the bottom of the Preset menu list.

Presets - Avid® Pro Tools®

In Pro Tools, click on the Preset Library menu found at the top of the plugin window of your DIG plugin instance, and select one of the presets from the Factory folder.



Loading a DIG factory preset in Pro Tools

To save your own custom presets, use the Save or Save As options within the Preset Settings menu. Your saved presets will appear within the Preset Library menu.



Saving a custom DIG preset in Pro Tools

The Plugin Toolbar Controls



• • •

The DIG plugin Toolbar

All the toolbar controls' settings are applied globally per each instance of the DIG plugin (not saved per preset).

INPUT - Turn the knob to adjust the input signal level entering the plugin. The LED meter lights **GREEN** to **YELLOW** when the input level signal is within a normal range. The **RED** LED lights when an overload condition occurs, in which case you should use the knob to reduce your input level. The Input knob provides +/-36dB of gain.

OUTPUT - Turn the knob to adjust the overall output level of the plugin. The output meter to the right of the control lights **GREEN** to **YELLOW** when the plugin's output signal is in a normal range, and **RED** when an overload condition occurs. The Output knob provides +/-36dB of gain. Note that setting all **LEVEL** knobs to high values will affect the plugin's output level and can cause clipping on the output, especially with higher **REPEATS** settings. Use this **OUTPUT** knob to reduce the plugin output as needed.

TIP: To quickly reset the Input or Output Level knob (or any other DIG plugin knobs or switches) to their default (0dB) value, Option + click (macOS), Alt + click (Windows), or double-click (macOS and Windows) directly on the control.



NUMERIC VALUE VISIBILITY - Click the "eye" 3-way switch to show or hide the knobs' values.

NOTE: This toolbar setting changes the numeric values' display behavior only for the current instance of the plugin. You can apply the behavior globally, for all plugin instances, within the Settings tab—see <u>page 14</u>.]



Always - Values are shown above controls (the initial default setting, the toolbar button appears illuminated).







Off - Click once again to hide values (the toolbar button appears crossed out and dimmed).

HELP WINDOW - Click to display a handy, on-screen Help Window. When enabled, a description is displayed for any plugin control as you hover your mouse cursor over it. Click the Help toolbar button again to disable the on-screen Help.



The Help Window is displayed for the Repeats knob

SETTINGS - Click to launch the plugin's About, Settings, and Support Info tabbed screens.

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|------------------------|----------|---|-------------------------|--|--|---|--------------|--|
| About | Settings | Support Info | | | About | Settings | Support Info | |
| | © 202 | DIG 1.00.0 4 Damage Control <u>Online Suppor</u> <u>Product Informat</u> | Engineering <u>t</u> | | Numeric Valu Always (1) Interface Size Small (1) Color Schemme Pink (1) | Le Visibility Auto Off Reduin Large e ack | Extra Large | |

The About tab

The Settings tab

- The About tab shows the current DIG plugin version and links to the Strymon website's Online Support and DIG Product Information.
- The Settings tab offers several global options for the plugin.

 - Interface Size Choose the plugin window size that best fits your screen and workflow.
 - **Color Scheme** Set the color scheme of the DIG plugin window to either Black (default) or Pink.

| | | | | ଛ (| ? | \$ |
|---|--------------------------|----------------|-------------|-----|---|----|
| About | Settings | Support Info | | | | |
| Plugin Version: 1.00 Type: AU Path: /Library Host |).0 //Audio/Plug-Ins/ | Components/DIC | 5.component | | | |
| OS: Mac OSX | 13.5 | | | | | |

The Support Info tab

• The Support Info tab displays details about the DIG plugin version, your DAW host and computer system, and current project and plugin parameter settings. If you are encountering issues using DIG or your DAW host, use the Copy to Clipboard button to copy all the info from this tab and paste into a text document, which can be useful to send to Customer Support for evaluation.

Click the Settings button 🔯 again to return to the plugin interface.



The Effect Parameters

The DIG interface's main window offers easy access to its **Main**, **DELAY** 1, and **DELAY 2** controls.



The DIG plugin user interface

TIPS: To enter precise knob settings, click on any knob's numerical value, type in your desired value (0-255), and hit the Return/Enter key.

You can reset any knob control to its initial default value by using Option + click (macOS) or Alt + click (Windows) directly on the knob.

You can globally customize the size of the DIG plugin interface within the plugin's Settings tab—see <u>page 14</u>.

Main Controls

Use the Main controls within the top portion of the DIG plugin window to configure the type of digital delay machines, modulation amount, and tone. These settings are applied to both Delay 1 and Delay 2. You can also configure the signal routing used for the two delays, and adjust the overall dry signal that is blended with the delays' wet signal.

All the following Main controls' values are saved per preset.



TYPE - Selects between three digital delay machine types:

24/96 - Modern, clean delay with subtle dynamics. The 24-bit resolution and 96kHz sampling rate ensure uncolored repeats. ADM - Early '80s Adaptive Delta Modulation process provides a percussive wide-band delay that adds more character when input dynamics increase.

12 BIT - Mid 80's 12-bit conversion method yields slightly darker and warmer delays.



CONFIG - Selects between three different signal routing configurations for Delay 1 and Delay 2.

SERIES - Delay 2 (the rhythmic sub-delay) feeds Delay 1 in the following manner:



PING PONG - The two delays are configured in a series "ping-pong" structure.



Configuration - Ping Pong diagram



With a Mono - Stereo or Stereo DIG plugin instance, Delay 1 and Delay 2 each acts as a ping-pong delay, and they interact when both delays' (wet) **LEVEL** knobs are turned up. When using a mono in/out instance of the DIG plugin, this configuration is essentially the same as the Series configuration, with both channels panned to center.

PARALLEL - Delay 1 and Delay 2 do not interact with each other, but produce their outputs "side-by-side."



Configuration - Parallel diagram

With a Mono - Stereo or Stereo DIG plugin instance, Delay 1 outputs to the left channel and Delay 2 outputs to the right channel. With a Mono DIG plugin instance, the wet signals are summed to center so that both parallel delays are heard.



MODULATION - Sets the amount of modulation added to both Delay 1 and 2 repeats. When the knob is at minimum, no modulation is added.



TONE - Sets the feedback filter response for Delay 1 and 2 repeats. Turn counter-clockwise for high cut and clockwise for low cut. 12 o'clock provides a flat response.



DRY LEVEL - Sets the amount of the dry input signal fed to the output of the plugin. Try keeping this knob set to maximum and use the Delay 1 and Delay 2 (wet) LEVEL knobs to set an independent wet/dry mix for each delay.* Optionally, reduce the DRY LEVEL for higher wet mix levels.

***NOTE:** The DRY LEVEL and Delay 1 and 2 LEVEL knobs include a MIX LOCK button in which, when enabled (lit), "locks" all three knobs' current settings so that they remain unchanged by plugin preset changes and detached from host automation. Also see page 23.

Delay 1 & Delay 2 Controls

Delays 1 and 2 offer similar sets of TIME, TEMPO, REPEATS, and LEVEL controls, but can be configured with Delay 2 "locked" to Delay 1's Tempo, or with completely independent Tempos, to provide variety of patterned repeats, dramatic stereo imaging, and varied textures. As covered within the preceding <u>"Main Controls"</u> section, the TYPE and CONFIG options will determine how Delays 1 and 2 signal flows will interact. The following controls will determine the delay time, number of repeats, and wet mix for each delay.

Delay 1 Tempo Mode switches and Subdivision options



Delay 2 Tempo Mode switches and Subdivision options

The Delay 1 and Delay 2 controls

Delay 1 - Time & Tempo Options

Tempo Mode - Select one of the three modes to determine Delay 1's Tempo behavior.



The Delay 1 Tempo Mode switches

SYNC - The Delay 1 **TIME** is synchronized to your DAW project's tempo. By default, a quarter note subdivision is selected, but you can choose a different subdivision of your project tempo—see the following **Delay 1 Subdivisions** section.

FREE - The Delay 1 **TIME** can be set manually to a millisecond (ms) value via the **TIME** knob. Note that you can optionally double-click directly on the knob's ms field and type in a specific value, from 20 to 1600 ms.



TAP - The Delay 1 **TIME** can be set by tapping rhythmically on the TAP button. By default, a quarter note subdivision is selected, but you can choose a different subdivision of your "TAP" tempo—see the following Delay 1 Note Subdivisions section.

NOTE: When the **SYNC** or **TAP** modes are selected, adjusting the **TIME** knob manually will automatically engage the **FREE** mode and set a manual ms time value.

DELAY 1 SUBDIVISIONS - When Delay 1 is set to **SYNC** or **TAP** mode, options are available within the Tempo display, allowing you to set your repeats to be a specific subdivision of the main tempo value.

The Note Subdivision options are: whole, dotted half, half, dotted quarter, quarter (the default), dotted eighth, eighth triplet, eighth, sixteenth triplet, sixteenth, thirty-second triplet, and thirty-second note.



A red colored Note Subdivision indicates it is not available with the current Tempo

The Tempo is set to Sync mode, offering Note Subdivision options

The number of selectable Note Subdivision options can differ, depending on the current project Tempo (if in **SYNC** mode) or Tap Tempo (if in **TAP** mode). For example, if the current Tempo is a slow BPM, a whole note value (which is achieved by multiplying the BPM by 4) may exceed the delay's maximum available repeat time. Nonselectable Note Subdivision options appear as red, as shown with the whole note option in the above image.



Delay 2 - Time & Tempo Options

TEMPO MODE - Select one of the modes to determine Delay 2's tempo behavior.



The Delay 2 Tempo Mode switches

LOCK TO D1 - Delay 2 TIME is locked to the Delay 1 tempo settings. As you change your Delay 1 Tempo mode, Time, or Subdivision options, Delay 2's tempo remains locked. By default, the golden ratio subdivision is selected, but you can choose a different subdivision of the current Delay 1 tempo.

Delay 2 Note Subdivisions - When Delay 2 is set to **LOCK TO D1** mode, options are available within the Tempo display, allowing you to set your repeats to be a specific subdivision of the Delay 1 tempo.

The Delay 2 Subdivision options are: dotted quarter, dotted eighth, golden ratio (the default), eighth, or eighth triplet.



Click directly on a subdivision, or use the arrow buttons select a subdivisior

The Delay 2 Tempo is set to Lock to D1 mode, offering Subdivision options

FREE - The Delay 2 **TIME** knob can be set manually (independent of Delay 1 Time or Tap settings) to a millisecond (ms) value. Note that you can optionally double-click directly on the knob's ms field and type in a specific value, from 7 to 2400 ms.



Delay 1 and 2 Repeats and Level Controls

REPEATS Knobs - Turn to adjust the number of delay repeats that are heard for each Delay 1 and Delay 2, from one repeat at minimum, to infinite, "circular" repeats at maximum.

The Delay 1 **REPEATS** knob includes **Circular** and **Single** switches, which offer quick and easy control over the number of delay repeats. Note that the Circular and Single Repeats are applied simultaneously to both Delay 1 and 2, regardless of their current Repeats knobs' settings.



- **CIRCULAR REPEATS Switch** Click this latching switch to engage Circular Repeats, where both delay lines maintain a static volume and repeat continuously. Disengage to return control of the repeats back to the knob.
- SINGLE REPEAT Switch Click and hold this momentary switch to set to the minimum, single repeat setting. Note that this can be engaged whether the Circular switch is engaged or not.
- DELAY 2 REPEATS LOCK Switch The Delay 2 Repeats knob includes a Lock button

 which, when enabled (lit), groups and locks the Delay 2 Repeats knob to the Delay 1 Repeats knob settings.

TIP: The **SINGLE REPEAT** switch is not an automatable parameter, but you can automate either the **CIRCULAR REPEATS** switch (on/off) or the Delay 1 and 2 **REPEATS** knobs within your DAW host app.

NOTE: With the **REPEATS** controls set to circular or high values, the total plugin output can climb to undesired or even clipping levels. Take care when adjusting these controls, and use the plugin toolbar knobs to adjust plugin's Input & Output levels where needed.





LEVEL - Delay 1 and Delay 2 each offer their own independent Level knob, which controls the volume level of the delay's "wet" signal. At minimum, no wet signal is heard. At maximum, the wet signal is at full volume. Use along with

the Main Control section's **DRY LEVEL** knob to achieve the desired mix of each delay's wet and dry signal levels.

MIX LOCK - The Delay 1 and 2 LEVEL knobs offer a lock button which, when enabled (lit), locks the main DRY LEVEL and both Delay 1 and 2 LEVEL knobs' current settings so that they all remain unaffected by plugin preset changes and detached from your host application's parameter automation by. Also, see DRY LEVEL on <u>page 18</u>.

TIP: Enabling the **MIX LOCK** can be especially useful when the plugin is inserted on a Send or Aux track, where you likely want to keep the mix at 100% wet, allowing you to load different presets without having to constantly reconfigure the plugin's **LEVEL** knobs.

Parameter Automation

Parameter automation is a feature that most DAW applications provide as a manner to change one or more of a plugin's available parameters, either by recording the changes made to these parameters in realtime, or by using an editable track envelope to "draw" changes. These parameter automations can be played back, affecting your project mix. Automating DIG parameters can be a great way to add some unique textures or extreme effects to your track!



The DIG plugin's Delay 1 Level parameter is automated within a Pro Tools audio track

The list of automatable parameters is available in the host application's parameter automation menu, which is typically found with the track where you've inserted the plugin, or in a menu within the plugin window header itself. Every DAW host software handles automation in their own unique way, so please refer to the user manual of the DAW host for information and instructions.



Selecting a DIG plugin automation parameter within a Pro Tools audio track

NOTE: When the plugin's Delay 2 **REPEATS LOCK** switch is enabled, both Delays' **REPEATS** knobs will be automated by either the Delay 1 or Delay 2 Repeats automation parameter.



Features

- Two simultaneous, integrated delays, with unique digital rack delay voicings
- Each of the integrated delays provides true stereo for a total of four interactive delay lines
- Adjustable Modulation, Tone, and Dry Level for control over repeats
- Adjustable Time, Level, Repeats for each Delay 1 & Delay 2
- One modern and two classic digital delay voicings: 24/96, ADM (Adaptive Delta Modulation), and 12 bit
- Up to twelve Delay 1 subdivisions: Whole, Dotted Half, Half, Dotted Quarter, Quarter (the default), Dotted Eighth, Eighth Triplet, Eighth, Sixteenth Triplet, Sixteenth, Thirty-second Triplet, and Thirty-second note
- Delay 1 Tempo Modes for project tempo Sync or TAP modes with subdivision options or Free mode
- Delay 2 can be locked to Delay 1's Time/Tempo with its own optional subdivisions: Dotted Quarter, Dotted Eighth, Golden Ratio, Eighth, and Eighth Triplet
- Repeats Lock switch to provide independent or locked number of repeats for Delay 1 & 2.
- Selectable Free Mode for each Delay 1 and Delay 2 disables subdivisions and synchronization
- Dedicated latching switch for Circular Repeats effect, and momentary switch Single Repeats.
- Delay 1 offers a 20ms 1.6s delay range. Delay 2 offers 7ms to 2.4s delay range. (Ranges may differ depending on Sync or TAP tempo and subdivision selections)
- Fully adjustable plugin Input and Output levels with metering
- Customizable plugin interface with selectable parameter value display modes, window sizes, and color schemes
- An included set of factory presets
- AU (macOS) and AAX & VST3 (macOS and Windows) plugin formats for support with all major DAW host applications
- DAW host support for mono, mono-stereo, and stereo plugin instances and standard sample rates from 44.1 kHz to 192 kHz, at 16-bit or 24-bit resolution
- Support for DAW host automation of plugin parameters
- 32-bit floating point processing

Troubleshooting

How to Obtain Service Under this Warranty

DIG plugin is very simple to operate, but if you have any problems, help is available here:

strymon.net/support/dig-plug-in

TRADEMARKS:

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