FLINT

— tremolo & reverb

USER MANUAL

strymon®

Front Panel

TREMOLO SWITCH: Switches between 3 tremolo modes.

'61 Harm - Harmonic band filtering
'63 Tube - Power Tube Bias
'65 Photo - Photocell

REVERB SWITCH: Switches between 3 different types of reverb.

'60s - Spring Tank
'70s - Electronic Plate (solid state)
'80s - Studio Rack Hall

INTENSITY: Controls the intensity or Depth of the tremolo effect. This is accomplished by varying the amplitude of the LFO that controls the tremolo. At minimum position, the LFO is off and no tremolo effect is heard, but the signal still travels through the tremolo 'circuit'.

SPEED: Varies the tremolo LFO frequency from slow to fast. The slow range is extended to give lower trem speeds than were generally available in the vintage offerings.

MIX: Controls the reverb wet mix from full dry at minimum to full wet with no dry signal at maximum. A 50/50 mix occurs around 3 o'clock on the mix knob.

COLOR: Varies the reverb tone from darker at low settings, to brighter at higher settings. This is critical for dialing in the sweet spot in front of a variety of amps.

DECAY: Varies the reverb time from short to long. The '70s and '80s verbs will approach 'infinite' decay at maximum.

TREMOLO BYPASS: Engages and disengages tremolo. LED on indicates that the effect is engaged.
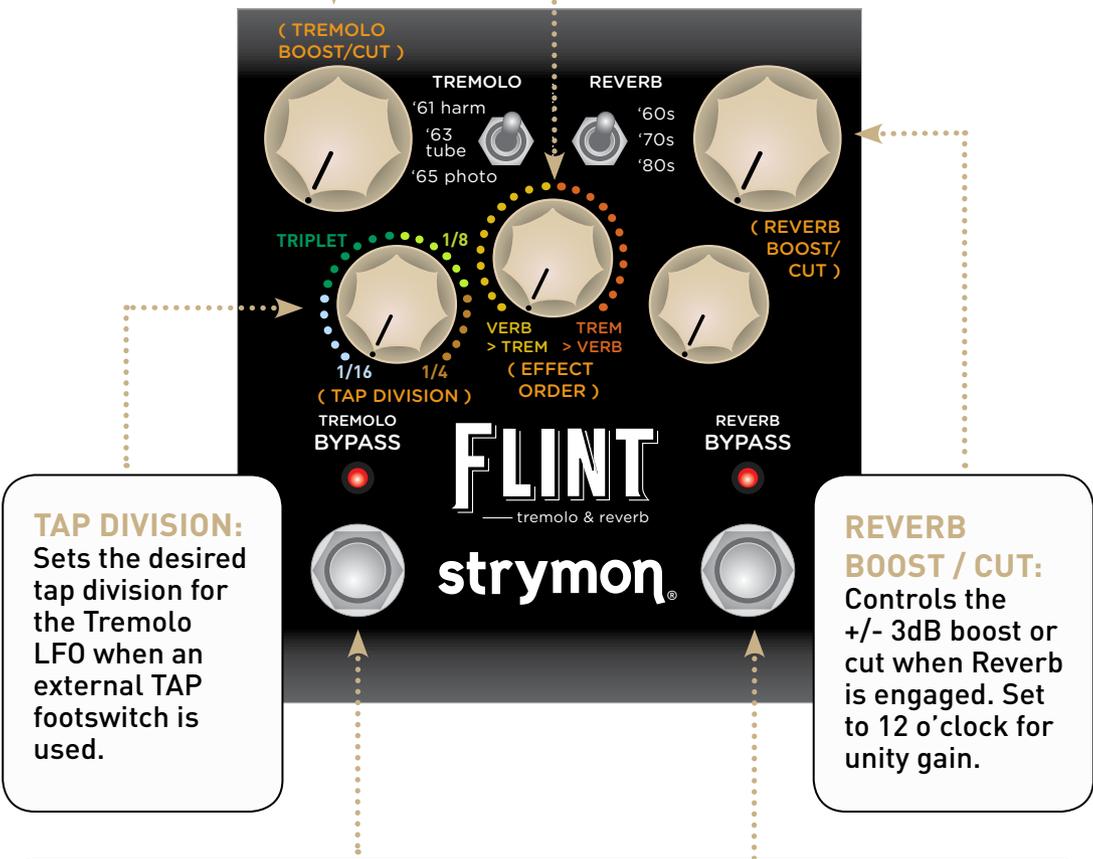
REVERB BYPASS: Engages and disengages reverb. Bypass mode is true bypass by default. LED on indicates that the effect is engaged.

TIP: Hold the Reverb Bypass footswitch during power up to change the bypass mode to analog bypass with trails (reverb persist).

Secondary Functions

TREMOLO BOOST / CUT: Controls the +/- 3dB boost or cut when Tremolo is engaged. Set to 12 o'clock for unity gain.

EFFECT ORDER: Sets whether the signal travels through Reverb then Tremolo or Tremolo then Reverb. The default is Reverb through Tremolo as this is how many vintage amplifier circuits worked.
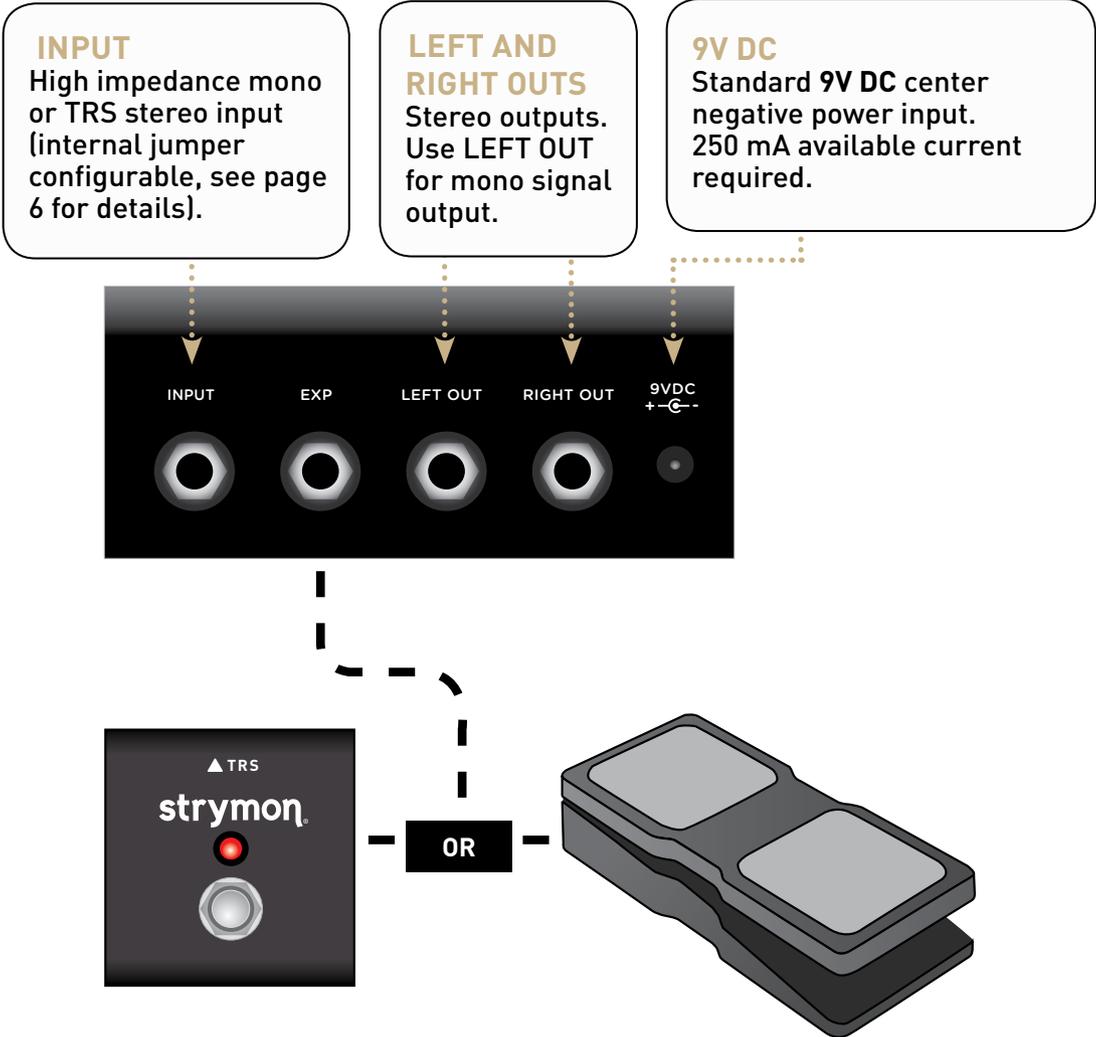
(TREMOLO BOOST/CUT)

TREMOLO
'61 harm
'63 tube
'65 photo

REVERB
'60s
'70s
'80s

(REVERB BOOST/ CUT)

TRIPLET 1/8

1/16 1/4

(TAP DIVISION)

VERB > TREM   TREM > VERB
(EFFECT ORDER)

TREMOLO BYPASS

REVERB BYPASS

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TAP DIVISION: Sets the desired tap division for the Tremolo LFO when an external TAP footswitch is used.

REVERB BOOST / CUT: Controls the +/- 3dB boost or cut when Reverb is engaged. Set to 12 o'clock for unity gain.

Hold down **TREMOLO BYPASS** and **REVERB BYPASS** to access all secondary functions on the knobs.

Rear Panel

LEFT AND RIGHT OUTS
Stereo outputs. Use LEFT OUT for mono signal output.

9V DC
Standard **9V DC** center negative power input. 250 mA available current required.

INPUT   EXP   LEFT OUT   RIGHT OUT   9VDC
+ −⊙− −

▲ TRS

strymon®

OR

FAVORITE MODE
Connect an external **Strymon Miniswitch** to recall your favorite preset. TIP: Press and hold the Reverb BYPASS switch to store your favorite setting.

TAP MODE
Connect an external **Strymon MiniSwitch** to tap the tempo of your tremolo.

EXPRESSION PEDAL MODE
Connect a standard **TRS expression pedal** for continuous control over any selectable knob parameter. To select the knob controlled by the expression pedal, hold the TREMOLO BYPASS footswitch during power up. The first knob turned is then assigned to the expression pedal. The maximum position the knob is turned up to becomes the expression pedal "toe down" maximum value.

NOTE: Favorite and Tap Modes can also be controlled with older Strymon Footswitches. See **strymon.net/support** for details.
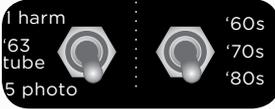
Configuring EXP Modes
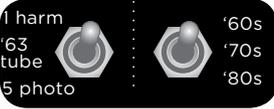
EXPRESSION MODE

Power up with both toggle switches in the UP position while holding footswitches to configure the Flint EXP jack for use with an expression pedal.
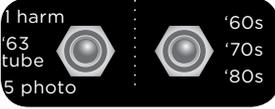
FAVORITE MODE

Power up with both toggle switches in the MIDDLE position while holding footswitches to configure the Flint EXP jack to recall a saved Favorite sound via a Strymon MiniSwitch.

TAP MODE

Power up with both toggle switches in the DOWN position while holding footswitches to configure the Flint EXP jack to allow the tremolo tempo to be tapped via a Strymon MiniSwitch.
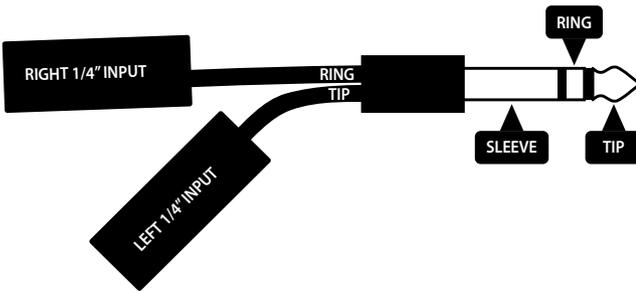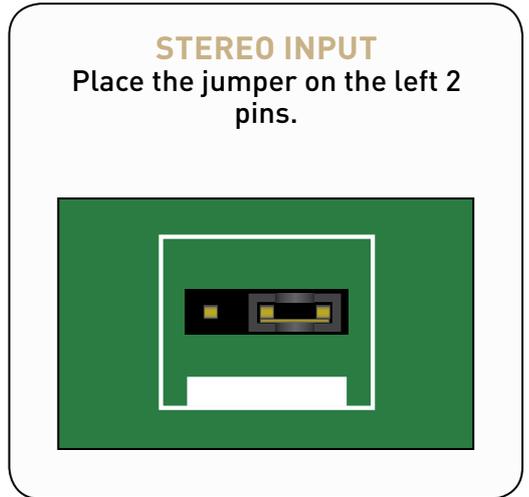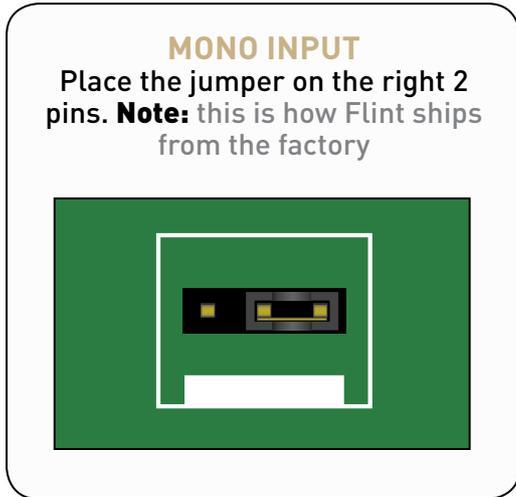
TREMOLO

REVERB

'61 harm
'63 tube
'65 photo

'60s
'70s
'80s

INTENSITY

MIX

DECAY

SPEED

COLOR

TREMOLO
BYPASS

REVERB
BYPASS

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HOLD BOTH AT POWER UP

TRS Input Jumper

Remove the back cover to select either mono input or TRS stereo input.

Close up views of the Flint circuit board

MONO INPUT
Place the jumper on the right 2 pins. **Note:** this is how Flint ships from the factory

STEREO INPUT
Place the jumper on the left 2 pins.

RIGHT 1/4" INPUT

LEFT 1/4" INPUT

RING
TIP

RING

SLEEVE   TIP

TRS (TIP/RING/SLEEVE) STEREO INPUT ADAPTER
If configured for stereo input, a TRS stereo input adapter can be used to access the stereo inputs.
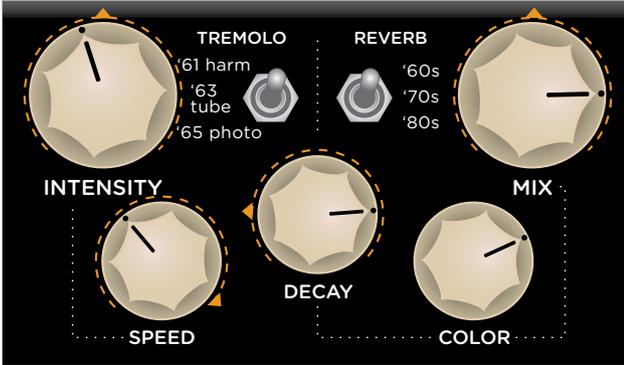
Factory Settings

SECONDARY FUNCTIONS: Shown below with orange arrows
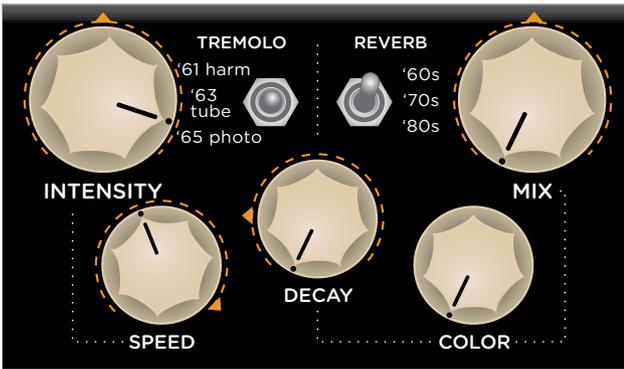**EXP INPUT JACK:** Assigned to use an expression pedal and vary Tremolo SPEED
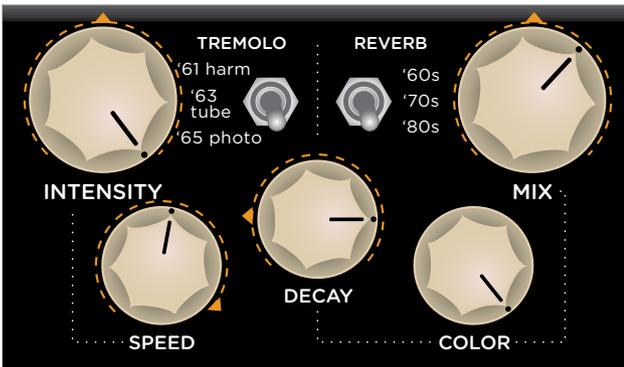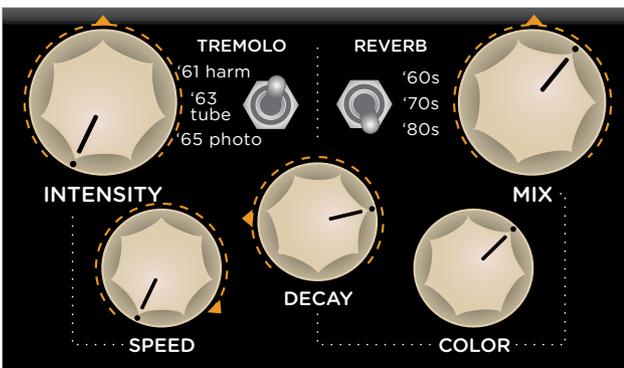**EXP INPUT ASSIGN:** Assigned to use an expression pedal

TREMOLO
'61 harm
'63 tube
'65 photo

REVERB
'60s
'70s
'80s

INTENSITY

MIX

DECAY

SPEED

COLOR

Sample Settings

Tweed Surf

Tube Biased
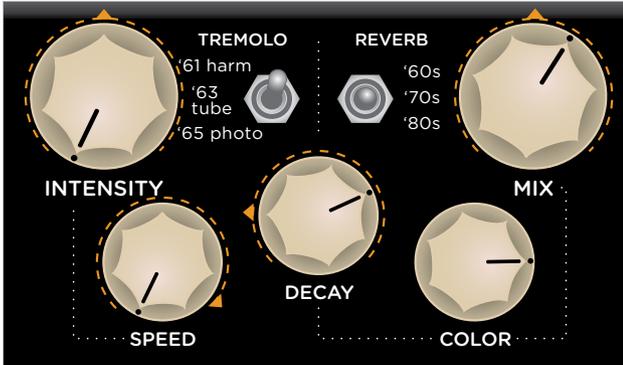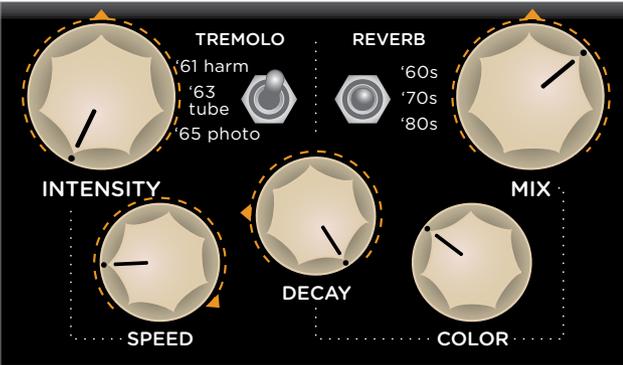

How Soon

'80s Hall

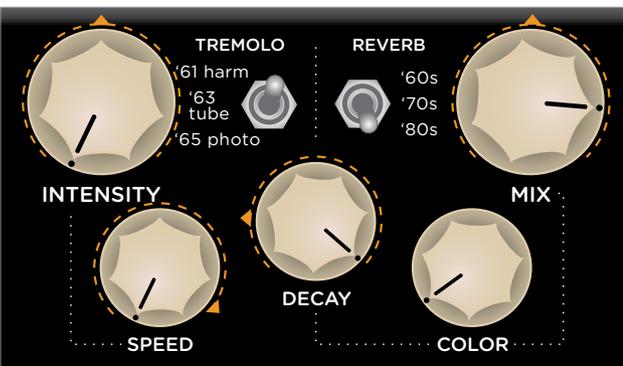*Sample Settings continued*

Rumble

Electro SolidPlate

Harmonic Plate

'80s Dark Cathedral

Features

- Hand crafted tremolo & reverb algorithms inspired by classic systems
- Ultra Low Noise, high performance A/D and D/A Converters
- Premium analog front end and output section
- High Performance DSP
- '61 Harmonic, '63 Tube Bias, and '65 Photoresistor Tremolo types
- '60s Spring, '70s Electronic Plate, and '80s Rack Reverb types
- Stereo Input (via TRS jack) and Stereo output
- Expression pedal input with selectable control over any knob parameter
- Compatible with Favorite switch to save your favorite sound
- Remote TAP with external tap footswitch
- +/- 3dB boost/cut for Reverb and Tremolo
- Rugged & Lightweight Anodized Aluminum Chassis
- No-Nonsense User Interface
- True Bypass (electromechanical relay switching)

Specifications

Input Impedance	1Meg Ohm
Output Impedance	100 Ohm
Signal to Noise	115 dB typical
A/D & D/A	24-bit 96kHz
Frequency Response	20Hz to 20kHz
Max Input Level	+8dBu
DSP performance	1596 MegaFLOPS
Bypass Switching	True Bypass (electromechanical relay switching)
Dimensions	4.5" deep x 4" wide x 1.75" tall

Power Supply

Input Voltage	9VDC Center Negative
Required Current	250mA

Strymon Non-Transferrable Limited Warranty

Warranty

Strymon warranties the product to be free from defects in material and workmanship for a period of one (1) year from the original date of purchase when bought new from an authorized dealer in the United States of America or Canada. If the product fails within the warranty period, Strymon will repair or, at our discretion, replace the product at no cost to the original purchaser. Please contact your dealer for information on warranty and service outside of the USA and Canada.

Exclusions

This warranty covers defects in manufacturing discovered while using this product as recommended by Strymon. This warranty does not cover loss or theft, nor does the coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage, lightning, or natural disasters.

Limits of Liability

In the case of malfunction, the purchaser's sole recourse shall be repair or replacement, as described in the preceding paragraphs. Strymon will not be held liable to any party for damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, damage to other equipment, and incidental or consequential damages arising from the use, or inability to use this product. In no event will Strymon be liable for more than the amount of the purchase price, not to exceed the current retail price of the product. Strymon disclaims any other warranties, expressed or implied. By using the product, the user accepts all terms herein.

How to Obtain Service Under this Warranty

For North American customers: Contact Strymon through our website at strymon. net/support for Return Authorization and information. Proof of original ownership may be required in the form of a purchase receipt.

For International Customers: Contact the Strymon dealer from which the product was purchased from in order to arrange warranty repair service.

Strymon® is a division of Damage Control®, LLC.