ULTRAVIOLET

vintage vibe

USER MANUAL

USB
TRS MIDI

strymon®

Contents

Knobs and Switches

Front Panel Controls

MODE

The 3-way toggle switch selects the mix configuration of the dry and wet signals:

> **chorus:** (left position) combines a 50/50 mix of dry and wet to achieve maximum depth and the classic vibe effect

> **blend:** (middle position) combines a 70/30 mix of dry and wet to reduce the depth for a milder effect

> **vibrato:** (right position) only the wet signal for a classic, frequency-dependent, phase-vibrato effect

SPEED

Controls the rate of the LFO sweep.

FOOTSWITCH

Engages and disengages the effect. The RED LED on at the top of the pedal indicates that the effect is engaged.

NOTE: Press and hold the **FOOTSWITCH** for 2 seconds to enter Save Mode (see page 23), or to configure Expression Pedal parameter assignments (see page 11).

You can optionally configure an external footswitch for **TAP** or **FAVORITE** Mode functionality (see page 16).

Knobs and Switches

Front Panel Controls

LED INDICATOR

Illuminates RED to indicate that the effect is engaged. Use the FOOTSWITCH to engage and disengage the effect. Also lights additional colors when configuring Power Up Mode features (see).

BIAS

The 3-way toggle switch sets the center point of the LFO for a range of vibe experiences:

low: (left position) the sweep is centered around lower frequencies for a pulsing vibe effect

mid: (middle position) the sweep is optimized for a balanced vibe effect

high: (right position) the sweep is centered around higher frequencies for a wide-ranging vibe effect

INTENSITY

Adjusts the LFO sweep amplitude. At minimum, the LFO amplitude is zero, resulting in a static effect determined by the BIAS setting.

VOLUME

Controls the output level of the pedal, up to a 4dB boost at maximum.

Rear Panel I/O and Control

I/O MODE SELECTOR

mono: (left position) use with a mono input signal, such as a guitar. Output is mono. Defaults to True Bypass.

mono → stereo: (middle position) use with a mono input signal. Output is stereo. Bypass mode is Buffered Bypass.

stereo: (right position) use with a stereo input signal. Output is stereo. Bypass mode is Buffered Bypass.

Stereo I/O requires a TRS adapter or cable. (See the following examples.)
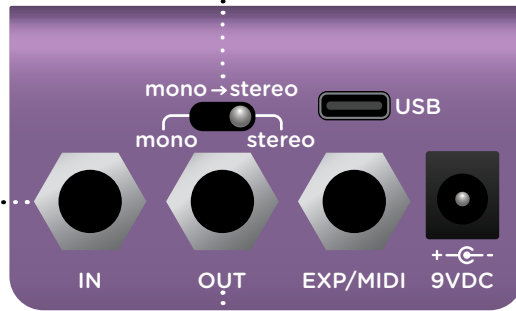
IN

(TRS jack) High impedance, ultra low-noise, discrete Class A JFET stereo preamp.

OUT

(TRS jack) Low impedance stereo output.

Mono and Stereo I/O Cable Connections

The UltraViolet **In** and **Out** jacks can accept either TS or TRS type 1/4" cables for mono or stereo connections, respectively:

Tip   Sleeve

Tip | Sleeve
Ring
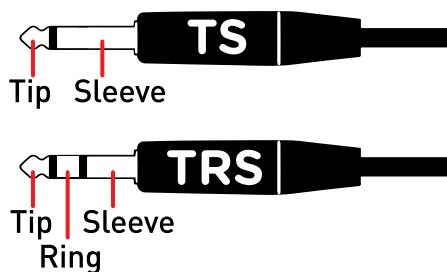
NOTE: With a TRS stereo connection, the **Tip** carries the **left** signal and the **Ring** carries the **right** signal.

Mono In - Mono Out: To connect UltraViolet in a mono signal chain, use TS cables for both UltraViolet's **IN** and **OUT**. Set the **I/O Selector** switch to **mono**.

From preceding pedal's mono output

To next pedal's mono input

Mono In - Stereo Out: To feed a mono signal into UltraViolet, use a TS cable to UltraViolet's **IN**. Connect a TRS + dual TS cable to UltraViolet's **OUT** to route UltraViolet's stereo signal to a stereo pedal. Set the **I/O Selector** switch to **mono → stereo**.
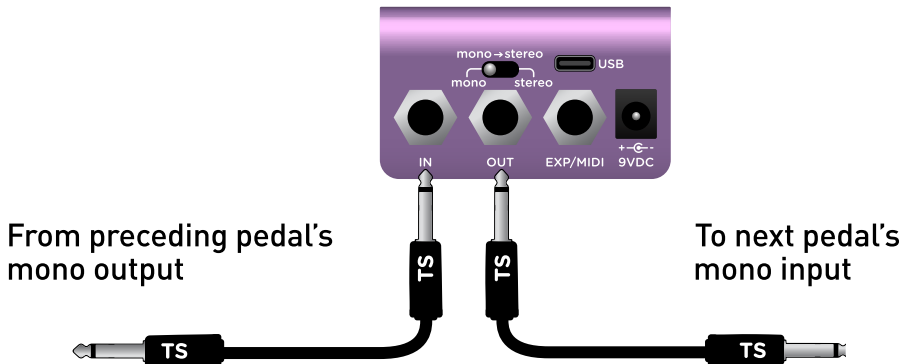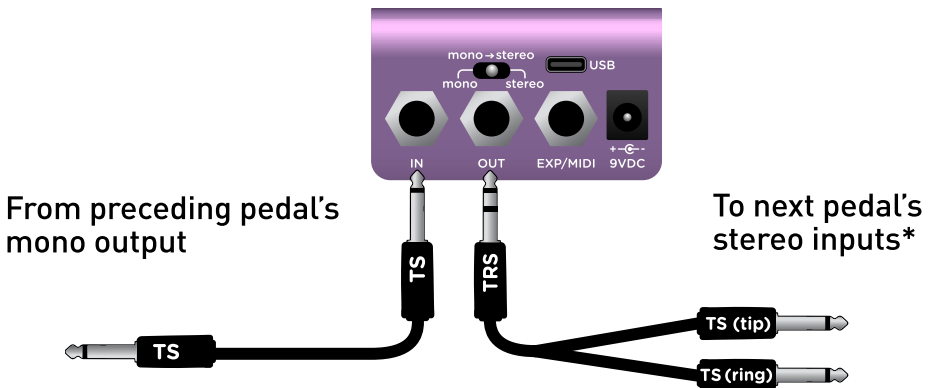
From preceding pedal's mono output

To next pedal's stereo inputs*

Stereo In - Stereo Out: To connect UltraViolet in a stereo signal chain, use TRS + dual TS cables into both UltraViolet's **IN** and **OUT**. Set the **I/O Selector** switch to **stereo**.

From preceding pedal's stereo outputs

To next pedal's stereo inputs*
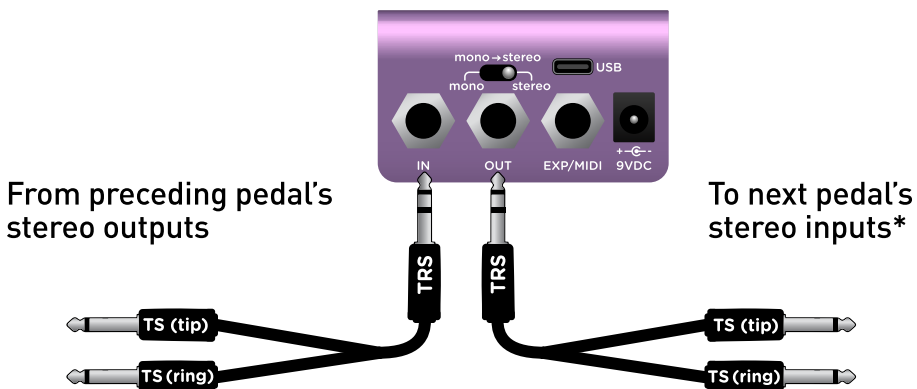
*NOTE: Alternatively, you can use a TRS - TRS cable when connecting a pedal with a TRS stereo input or output (such as connecting to the TRS stereo input of a Strymon cloudburst stereo reverb).

Rear Panel I/O and Control (continued)

USB-C

Computer connection for MIDI I/O and firmware updates.

9VDC

Only use an adapter with the following rating:

- 2.1mm tip, center-negative
- 9VDC
- 250mA minimum

(Adapter sold separately.)
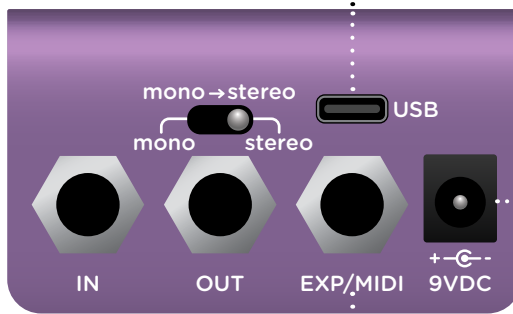
EXP/MIDI

Multifunction communication jack for external control of UltraViolet's features and functions. Can be set to operate in one of the following modes. (See "Configuring the EXP/MIDI Jack" on page 9 for details.)

Expression Pedal Mode (see page 11).

Favorite Mode (see page 12).

Tap Mode (see page 18).

MIDI Mode (see "Configuring UltraViolet for MultiSwitch Plus" on page 16 or "Saving Presets in MIDI Mode" on page 23).

Power Up Modes

Bypass Mode for Mono I/O

With the rear **I/O Mode Selector** set to **mono**, the UltraViolet pedal is set for True Bypass as the default.* Setting UltraViolet to Buffered Bypass Mode preserves the high frequency response of your instrument's signal through your pedal chain and long cable runs.

*NOTE: Whenever the rear **I/O Mode Selector** set to **mono → stereo** or **stereo**, the bypass mode is automatically set to Buffered Bypass.

1 Press and hold the footswitch for at least 2 seconds while powering up UltraViolet. Once the LED flashes RED, release the footswitch.

2 Toggle the **BIAS** (BYPASS) switch to choose between True or Buffered Bypass Modes. The LED will change color to indicate the current status as you toggle the switch.

- **True Bypass:** set the switch to the **low** (left) position. The LED lights GREEN (default).
- **Buffered Bypass:** set the switch to the **high** (right) position. The LED lights RED.

3 Press the **FOOTSWITCH** to store the Bypass Mode and begin using UltraViolet.

NOTE: The Bypass Mode setting persists across power cycles.

Power Up Modes

Configuring the EXP/MIDI Jack

1 Press and hold the footswitch for at least 2 seconds while powering up UltraViolet. Once the LED flashes RED, release the footswitch.

2 Turn the **VOLUME** (EXP/MIDI JACK) knob to select the function of the rear panel's **EXP/MIDI** jack. The LED will change color to indicate the current status as you turn the knob.

- **Expression Pedal Mode:** GREEN (default, minimum) - Using a standard TRS expression pedal allows continuous control over any of the knobs. (See page 11 for details.)
- **Favorite Mode:** AMBER (11 o'clock) - Using a Strymon MiniSwitch (sold separately) allows you to recall a Favorite setting. (See page 12 for details.)
- **Tap Mode:** RED (1 o'clock) - Using a Strymon MiniSwitch allows you to tap in a tempo in quarter notes for UltraViolet's LFO to follow. (Also, see the **FOOTSWITCH** description on page 4 for note division options.)

Configuring the EXP/MIDI Jack (continued)

- **MIDI Mode:** BLUE (maximum) - Allows for the selection of three presets using a Strymon MultiSwitch Plus (sold separately)—see page 16. Full MIDI functionality is available by sending MIDI Program Change messages via 1/4" TRS MIDI connection using a Strymon Conduit or MIDI EXP cable. Up to 300 preset locations are available via MIDI—see page 23.

**3** Press the footswitch to store the EXP/MIDI Jack Mode and begin using UltraViolet.

NOTE: The EXP/MIDI jack setting persists across power cycles and is not saved per preset.

External Control

Expression Pedal Setup

Use a TRS expression pedal with a 25k Ohm or greater pot value to remotely control the knobs of UltraViolet. By default, UltraViolet is configured so that an Expression pedal controls the **SPEED** knob.

1 Configure the **EXP/MIDI** jack for Expression Mode. (See page 9 for configuration instructions.)

2 Connect an expression pedal to the **EXP/MIDI** jack of UltraViolet using a TRS cable.
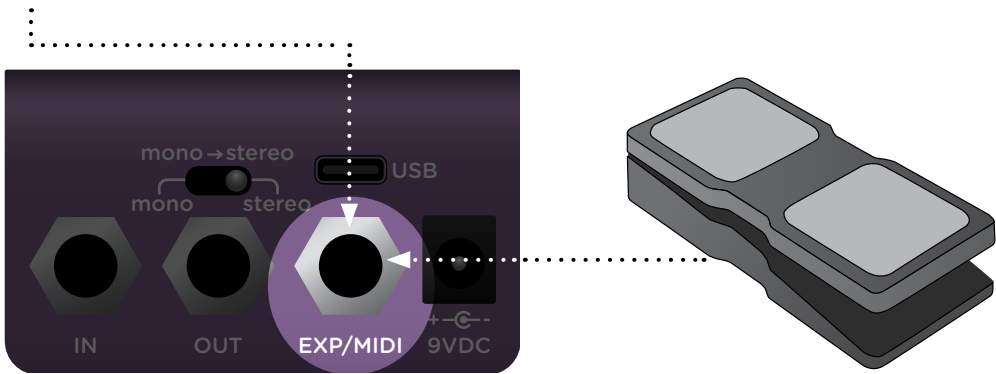
3 Press and hold the **FOOTSWITCH** for at least 2 seconds, until the LED blinks GREEN.

4 Rock your expression pedal to the HEEL position. The GREEN LED will stop blinking and remain lit.

5 Set the knob(s) you would like to control to the desired settings for the HEEL position of the expression pedal.

6 Rock the expression pedal to the TOE position. The LED will turn RED.

7 Set the knob(s) you would like to control to the desired settings for the TOE position of the expression pedal.

8 Press and release the UltraViolet footswitch to exit and store your expression pedal setup.

NOTE: Your expression pedal assignment is saved per Favorite setting or MIDI preset.

NOTE: If UltraViolet is set to respond to MIDI EXPRESSION and the EXP/MIDI jack is set to MIDI Mode, you can send MIDI CC# 100 with values 0 (heel) to 127 (toe) to perform the expression pedal setup.

External Control

Favorite Switch Setup and Compare Mode

Connect MiniSwitch or other external latching footswitch to store and recall your Favorite setting.

> **NOTE:** Your Strymon MiniSwitch's internal jumper switch must be set to the factory-default **FAV/BOOST Mode** setting for Favorite Switch functionality. If you've changed the setting of this jumper switch, you'll need to change it back to **FAV/BOOST Mode**—see .

1 Configure the **EXP/MIDI** jack for Favorite Mode. (See for more info.)

2 Connect your MiniSwitch (or, optionally, an external latching switch with a TRS cable) to the **EXP/MIDI** jack.
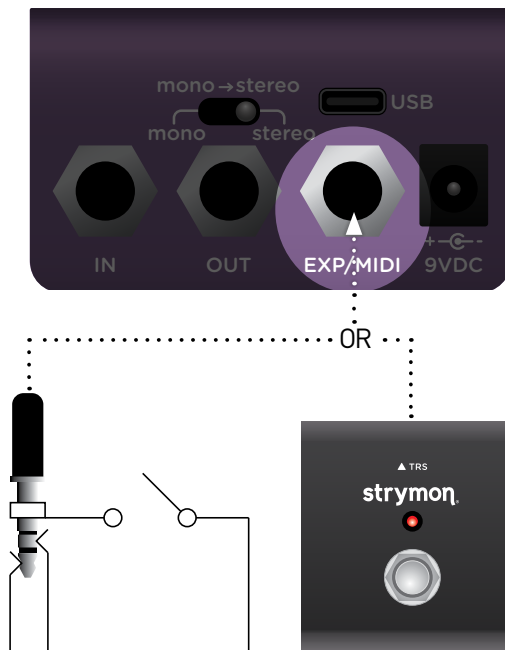
3 Dial in your desired sound.

4 To save your sound as the new Favorite setting, press and hold the UltraViolet footswitch for at least 2 seconds, until the LED blinks GREEN. Then, press and hold the UltraViolet footswitch until the LED lights BLUE to save the Favorite setting.

Step on the external footswitch to toggle between your current and Favorite settings on UltraViolet. Make sure to dial in a different sound for the non-Favorite setting to hear the difference between the two settings.

Favorite Switch Setup and Compare Mode (continued)

Compare Mode

With the Favorite or MIDI preset recalled, as a knob or switch is adjusted, the LED flashes GREEN when the current knob or toggle switch position matches the setting of the preset.

NOTE: Power Up Mode settings are applied globally and not stored individually per preset.

NOTE: Saving presets works differently when using MIDI—see for details.

NOTE: The Favorite setting is stored at MIDI Program Change location 0.

External Control

Tap Mode Switch Setup

Optionally, you can use your Strymon MiniSwitch or an external, non-latching (momentary) type switch to access UltraViolet's Tap mode. This allows you to "tap" in a tempo to which UltraViolet's LFO can sync.

The Strymon MiniSwitch includes an internal jumper switch that must be changed from its factory **FAV/BOOST Mode** setting to work for the UltraViolet Tap Mode momentary switch functionality. Follow these steps to configure the MiniSwitch's jumper switch and **EXP/MIDI** jack.

1 Unscrew the four screws on the bottom of the MiniSwitch chassis.

2 Once opened, locate the small jumper underneath the circuit board and change it from the center and right pins (**FAV/BOOST Mode**) to the center and left pins (**TAP Mode**).

Close-up view of the MiniSwitch circuit board jumper switch

TAP · · ·
· · · FAV/BOOST

TAP · · ·
· · · FAV/BOOST
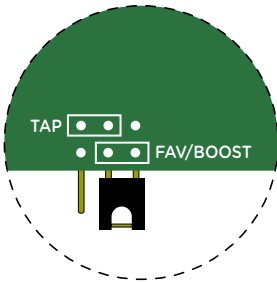
FAV/BOOST Mode

For UltraViolet's Favorite Switch mode—place the jumper on the two RIGHT pins. (This is how MiniSwitch is configured from the factory.)
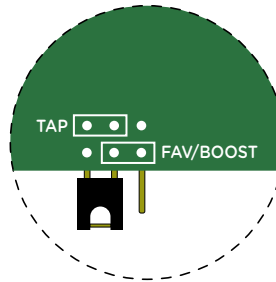
TAP Mode

For UltraViolet's Tap Switch mode—place the jumper on the two LEFT pins.

3 Once the jumper configuration is complete, secure the cover back on your MiniSwitch.

4 Configure UltraViolet's **EXP/MIDI** jack for Tap Mode. (See page 9 for more info.)

5 Connect your MiniSwitch (or, optionally, a momentary switch with a TRS cable) to the **EXP/MIDI** jack.

Tap Mode Switch Setup - continued
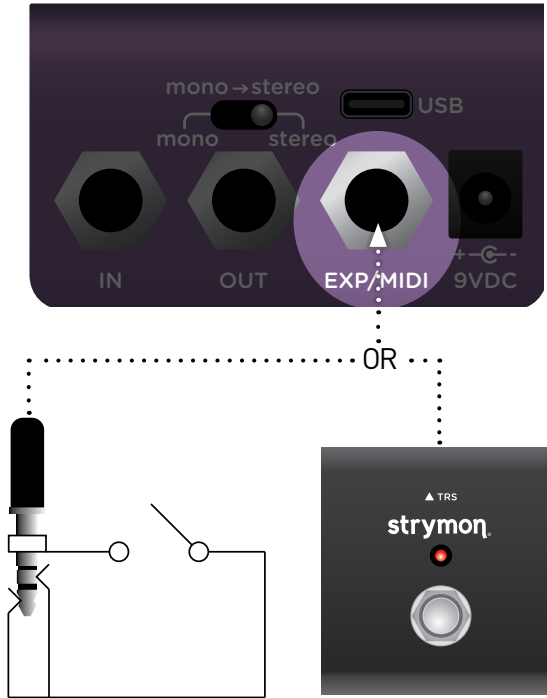
6 Now just "tap" in quarter notes of your desired tempo on the MiniSwitch and you'll hear UltraViolet's LFO **SPEED** adjust to follow.

External Control

Configuring UltraViolet for MultiSwitch Plus

Configure UltraViolet and MultiSwitch Plus for additional external control.

1 Press and hold the UltraViolet footswitch while connecting power to the pedal. Hold for at least 2 seconds, until the LED stops blinking.

2 Turn the **SPEED** knob all the way counter-clockwise to set the **MIDI CHANNEL** to Channel 1. The LED should be GREEN.

3 Turn the **INTENSITY** knob to select the following **MIDI OUT** option:
- **Send MIDI CC and Other Data:** GREEN
- **Send Other Data:** AMBER

4 Turn the **VOLUME** knob all the way clockwise to set the **EXP/MIDI** jack to MIDI Mode. The LED should be BLUE.

5 Press the UltraViolet footswitch to exit and store the **MIDI CHANNEL**, the **MIDI OUTPUT** setting, and the **EXP/MIDI** Jack Mode.

6 Connect a TRS cable to UltraViolet's **EXP/MIDI** jack.

7 Press and hold the **A** footswitch on MultiSwitch Plus while connecting the other end of the TRS cable to any one of the three jacks. The three LEDs on MultiSwitch Plus will blink GREEN when you release the A footswitch.

External Control

Using MultiSwitch Plus

Selecting and saving UltraViolet presets using MultiSwitch Plus.

PRESET 1   PRESET 2   PRESET 3

NOTE: Footswitches **A**, **B**, and **C** on MultiSwitch Plus correspond to MIDI Program Changes 1, 2, and 3.

❶ Step on a switch that is not illuminated to recall the corresponding preset.

❷ Step on an illuminated switch to bypass UltraViolet.
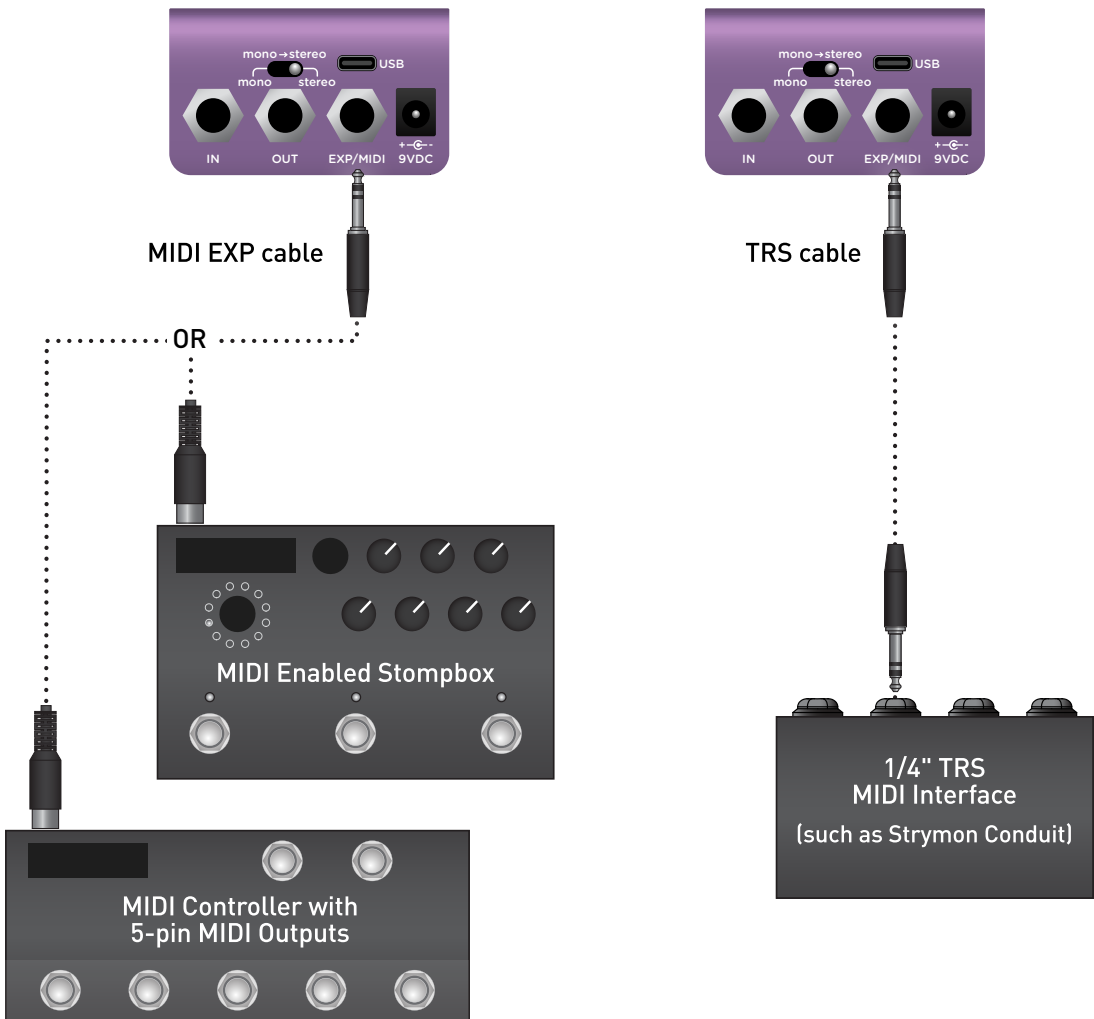
Saving UltraViolet Presets with MultiSwitch Plus:

❶ Dial in the sound that you would like to save as your preset on UltraViolet.

❷ Press and hold the UltraViolet footswitch for at least 2 seconds, until the LED blinks GREEN.

❸ Press the **A**, **B**, or **C** MultiSwitch Plus footswitch to save the current state of the pedal to the desired location.

MIDI Functionality

Configuring UltraViolet to Use MIDI

Using MIDI unlocks a set of tools that can be used to load any of UltraViolet's 300 preset locations using a suitable MIDI controller or interface connected to the UltraViolet EXP/MIDI jack. This requires a Strymon MIDI EXP cable or a MIDI controller/interface, such as Strymon Conduit, with at least one quarter-inch output.

> **NOTE:** When using a Strymon MIDI EXP Cable, the MIDI OUT Mode must be set to Off. (See page 22 for details.)

MIDI EXP cable

TRS cable

OR

MIDI Enabled Stompbox

MIDI Controller with
5-pin MIDI Outputs

1/4" TRS
MIDI Interface
(such as Strymon Conduit)

Configuring UltraViolet to Use MIDI (continued)

STEP 1 – SET EXP/MIDI JACK TO MIDI MODE

1 Press and hold the footswitch for at least 2 seconds while powering up UltraViolet. Once the LED flashes RED, release the footswitch.

2 Turn the **VOLUME** (EXP/MIDI JACK) knob clockwise until the LED is BLUE (maximum) to select MIDI Mode.

NOTE: MIDI data is received on the **TIP** of the TRS connection of the **EXP/MIDI** jack.

Configuring UltraViolet to Use MIDI (continued)

STEP 2 – SET MIDI CHANNEL

3 Turn the **SPEED** (MIDI CHANNEL) knob to set the MIDI communication channel. The LED indicates status. Your knob selections are as follows:

- **Channel 1**: GREEN (default, minimum)
- **Channel 2:** AMBER (10 o'clock)
- **Channel 3:** RED (12 o'clock)
- **Channel 4-16:** BLUE (maximum) - set by next received MIDI Program Change message, requires 1/4" MIDI connection

  Once the LED turns BLUE, it will blink until the pedal receives a MIDI Program Change message. Once a message is received, the pedal will be set to the MIDI channel that carried the message and exit the Power Up Mode to allow you to begin using UltraViolet. (If you've successfully configured MIDI Channel 4-16, you can skip item **4** on the next page.)

STEP 2 – SET MIDI CHANNEL (CONTINUED)

4 Press the footswitch to exit and store your MIDI Channel setting and begin using UltraViolet.

NOTE: A simple way to check that communication is working is to send CC #102 with a value of 127 when the footswitch is bypassed. This will enable the footswitch (and the LED will light RED) if MIDI is properly connected and configured.

NOTE: If you are only sending data to UltraViolet using the Strymon MIDI EXP cable, the MIDI OUT Mode must be set to **OFF**. (See for details on configuring the MIDI OUT Mode.)

NOTE: MIDI Channel assignment is not saved per Favorite setting or MIDI preset.

Configuring UltraViolet to Use MIDI (continued)

STEP 3 – SET MIDI OUT MODE

1 Press and hold the footswitch for at least 2 seconds while powering up UltraViolet. Once the LED flashes RED, release the footswitch.

2 Turn the **INTENSITY** (MIDI OUT) knob to select what kind of MIDI data is sent from UltraViolet to other MIDI devices. The LED will flash momentarily to indicate your selection.

- **OFF:** RED (default, minimum) - No MIDI messages are sent out of UltraViolet.
- **THRU:** BLUE (11 o'clock) - Incoming MIDI messages are sent to the MIDI Out without any additional MIDI messages generated by UltraViolet.
- **SEND CC, OTHER:** GREEN (1 o'clock) - MIDI CC and Sysex messages generated by UltraViolet are sent to the MIDI Out.
- **SEND OTHER:** AMBER (maximum) - Sysex messages generated by UltraViolet are sent to the MIDI Out.

3 Press the footswitch to store the MIDI Out Mode and exit.

NOTE: MIDI data is sent from the **RING** of the TRS connection of the **EXP/MIDI** jack.

MIDI Functionality (continued)

Saving Presets in MIDI Mode

When in MIDI Mode, the currently loaded settings can be saved to any of UltraViolet's 300 preset locations at any time.

1 To enter Save Mode, press and hold the footswitch for at least 2 seconds, until the LED blinks GREEN to indicate that UltraViolet is waiting to receive a MIDI Program Change message.

2 To save the current state of the pedal to the currently loaded preset location, press and hold the footswitch for at least 2 seconds, until the LED lights BLUE.

OR

To save the current state of the pedal to any preset location, send the unit a MIDI Program Change on UltraViolet's currently selected MIDI channel. For example:

• Send MIDI Program Change #10 to save the preset to the corresponding memory location on the pedal.

• To recall this preset, send MIDI Program Change #10 from your MIDI controller or sequencer.

MIDI Specifications

MIDI Program Changes

Your UltraViolet pedal contains 300 preset locations, numbered sequentially from 0-299. Because MIDI Program Change messages have a maximum number of 128 (0-127), the presets are grouped into three MIDI patch banks.

MIDI BANK 0 =	PRESETS 0-127
MIDI BANK 1 =	PRESETS 128-255
MIDI BANK 2 =	PRESETS 256-299

MIDI PROGRAM CHANGE 0	Favorite setting (accessible via MiniSwitch) See [page 12](#) for details.
MIDI PROGRAM CHANGE 1	MultiSwitch Plus - footswitch 1
MIDI PROGRAM CHANGE 2	MultiSwitch Plus - footswitch 2
MIDI PROGRAM CHANGE 3	MultiSwitch Plus - footswitch 3
MIDI PROGRAM CHANGE 127	Manual Mode ("knobs")

> **NOTE:** Some MIDI applications and controllers start with MIDI Program Change 1 instead of 0. In these setups, add one to each MIDI Program Change location above.

The UltraViolet pedal always powers up in MIDI Patch Bank 0, so if you plan to stay within the first 127 preset locations, simply send a standard MIDI Program Change message to load a preset.

If you will be using MIDI Banks 1 and/or 2, it is advisable to send a standard MIDI Bank Change message (MIDI CC# 0 with a value equal to the MIDI Bank#) before each MIDI Program Change.

Selecting Program Change 127 within *any* MIDI Bank 0, 1, or 2 will put UltraViolet into Manual Mode. In this mode, UltraViolet will be set to the current knob and switch settings. No preset data can be stored at this preset location.

MIDI Specifications (continued)

MIDI CCs

CC#	PARAMETER	RANGE	ENUMERATION
0	Bank Select	0-2	(0=Bank 1, 1=Bank 2, 3=Bank 3)
11	Mode	1-3	(1=chorus, 2=blend, 3=vibrato)
12	Bias	0-127	(1=low, 2=mid, 3=high)
13	Speed	0-127	
14	Intensity	0-127	
15	Volume	0-127	
27	Footswitch	0, 127	(0=release, 1-127=press)
60	MIDI Expression Off/On	0, 127	(0=off, 1-127=on)
93	Tap	0, 127	(any value)
100	Expression Pedal	0-127	(0=heel, 127=toe)
102	Bypass/Engage	0, 127	(0=bypass, 1-127=engage)

NOTE: All on/off parameters are implemented with 0=off and any other value (1-127)=on. They are documented as "0" and "127" because many MIDI controllers send out 0 and 127 for on/off switches.

NOTE: Some MIDI applications and controllers start their MIDI enumeration with 1 instead of 0. In these setups, add one to each CC and set of Range values above.

Factory Reset

Performing a Factory Reset restores the pedal to its factory default Power Up functions and replaces all stored presets with their factory default settings.

1 Press and hold the footswitch for at least 2 seconds while powering up UltraViolet. Once the LED flashes RED, release the footswitch.

2 Press and hold the footswitch again, and while still holding it down, sweep the **INTENSITY** (FACTORY RESET) knob from minimum to maximum and back two times. The LED will change colors at the extremes of the knob range and flash RED to indicate when the reset is taking place.

- TURN 1, from minimum to maximum: AMBER
- TURN 2, from maximum to minimum: RED
- TURN 3, from minimum to maximum: AMBER
- **TURN 4, from maximum to minimum and release the footswitch immediately:** The LED flashes RED, UltraViolet resets and restarts

Factory Reset (continued)

Factory Default Settings

FEATURE	FACTORY DEFAULT SETTING
Bypass Mode:	True Bypass
EXP/MIDI Jack:	Assigned to Expression Mode and configured to control the **SPEED** knob
MIDI Channel:	1
MIDI OUT Mode:	Off
MIDI Expression:	On

Features

- Speed, Intensity, and Volume controls for classic vibe operation
- Three selectable dry/wet mix mode configurations for varying frequency and depth vibe results
- Three selectable bias mode configurations for a range of different vibe experiences
- Expression pedal functionality allows continuous control over any knob in any direction
- Tap tempo sync for LFO speed via external switch
- Stereo input and stereo output (requires "TRS to dual TS" adapter or cable for each jack—sold separately)
- True Bypass (electromechanical relay switching) or selectable Buffered Bypass
- EXP/MIDI input allows the connection of an optional TRS expression pedal, MiniSwitch, MultiSwitch Plus, or TRS MIDI connection
- High impedance and ultra-low noise discrete Class A JFET TRS stereo preamp input
- Full-featured MIDI capability (Continuous Controller, Program Change, and 300 preset locations)
- +10dBu maximum input level easily handles instrument and line level signals
- High performance 520MHz ARM Superscalar processor
- 32-bit floating point processing
- Super low noise, high performance A/D and D/A converters
- Strong and lightweight anodized aluminum chassis
- Designed and built in the USA

Specifications

FEATURE	SPECIFICATION VALUE
Input Impedance:	1 Meg Ohm
Output Impedance:	100 Ohm
A/D & D/A:	24-bit 96kHz
Max Input Level:	+10 dBu
Signal/Noise:	116 dB typical
Bypass Switching:	True Bypass (electromechanical relay switching)
Dimensions:	4.5" deep x 2.7" wide x 2.2" tall

Power Adapter Requirements

Use an adapter with the following rating: 9VDC, center negative, 2.1mm tip, 250mA minimum. (Adapter sold separately.)

Appendix 1: Sample Settings

Sample Settings

Jimi From Texas

MODE: blend / chorus — vibrato
BIAS: mid / low — high
SPEED
INTENSITY
VOLUME

MIDI Program Change 0
MiniSwitch Favorite

Clean Arpeggios

MODE: blend / chorus — vibrato
BIAS: mid / low — high
SPEED
INTENSITY
VOLUME

MIDI Program Change 1
MultiSwitch Plus A

Rootsy Wobble

MODE: blend / chorus — vibrato
BIAS: mid / low — high
SPEED
INTENSITY
VOLUME

MIDI Program Change 2
MultiSwitch Plus B

Marvin's Martian

MODE: blend / chorus — vibrato
BIAS: mid / low — high
SPEED
INTENSITY
VOLUME

MIDI Program Change 3
MultiSwitch Plus C

Appendix 2: Power Up Modes Quick Reference

Power Up Modes - Quick Reference

Global parameters and functions can be accessed via a power up procedure. All power up functions persist through power cycles.

1 Press and hold the footswitch for at least 2 seconds while powering up UltraViolet. Once the LED flashes RED, release the footswitch.

2 Adjust the desired functions with the controls noted below.

3 Press the footswitch to store your changes and exit Power Up Mode.

POWER UP MODE	OPTIONS
BYPASS MODE FOR MONO I/O See page 8 for an illustrated description.	Set the **BIAS** switch - status shown on the LED • **True Bypass:** switch in the **low** (left) position - LED GREEN (default) • **Buffered Bypass:** switch in the **high** (right) position - LED RED
EXP/MIDI JACK MODE See page 9 for an illustrated description.	Turn the **VOLUME** knob - status shown on the LED • **Expression:** GREEN (default, minimum knob position)* • **Favorite:** AMBER (11 o'clock knob position) • **Tap:** RED (1 o'clock knob position) • **MIDI:** BLUE (maximum knob position)
MIDI CHANNEL See page 20 for an illustrated description.	Turn **SPEED** knob - status shown on the LED • **1:** GREEN (default, minimum knob position) • **2:** AMBER (10 o'clock knob position) • **3:** RED (12 o'clock knob position) • **4-16:** BLUE (maximum knob position) - channel set by next received MIDI Program Change message

*NOTE: Also see "Expression Pedal Setup" on page 11 to configure your pedal functionality per preset.

Power Up Modes - Quick Reference (continued)

POWER UP MODE	OPTIONS
MIDI OUT MODE See page 22 for an illustrated description.	Turn **INTENSITY** knob - status shown momentarily on the LED • **OFF:** RED (default, minimum knob position) • **THRU:** BLUE (11 o'clock knob position) • **ON CC, OTHER:** GREEN (1 o'clock knob position) • **ON OTHER:** AMBER (maximum knob position)
FACTORY RESET See page 26 for an illustrated description.	While holding down the footswitch, turn the **INTENSITY** knob from 0% to 100% and back two times - status shown on the LED

Strymon Non-Transferable Limited Warranty

Warranty

Strymon warranties the product to be free from defects in material and workmanship for a period of two (2) years 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 Engineering®, LLC.

Safety and Compliance Information

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.