

# BRIG

— dBucket delay —

USER MANUAL



strymon®

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# Knobs and Switches

## Front Panel Controls

### VOICE .....

The 3-way toggle switch selects the chip style and configuration. This affects tonal character and time range:

**3205:** (left position) 30–300ms. Recreates the character of vintage delay pedals that used a single low voltage MN3205 BBD chip for gritty repeats—great for slap back, leads, and sci-fi sounds.

**3005:** (middle position) 100ms–1 sec. Recreates the character of vintage delay pedals that used two MN3005 BBD chips at higher voltage for longer delay times with a dreamy quality.

**multi:** (right position) Creates complex soundscapes using two cross-coupled, super-clean BBD delay lines with golden ratio timing.

### TIME .....

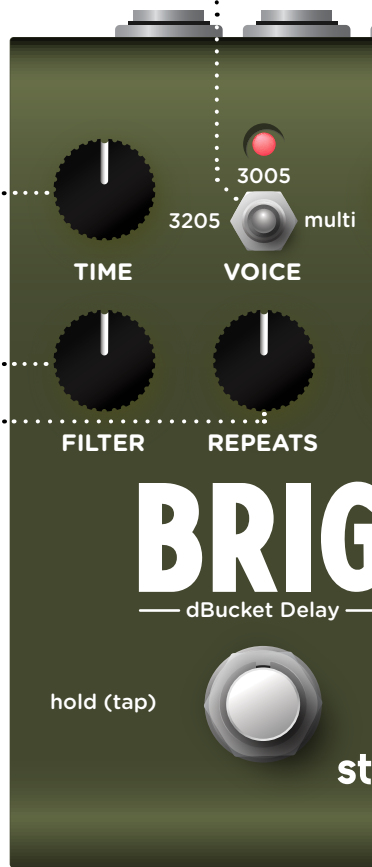
Controls the delay time according to the selected **VOICE**. Delay clock is continuously variable so that turning it while repeats are happening can produce authentic pitch effects.

### FILTER .....

Adjusts the EQ, noise, and bucket loss of the repeats based on the selected **VOICE**.

### REPEATS .....

Varies the number of delay repeats from one to runaway oscillation.\* Set to 3 o’clock for sustained, infinite repeats without runaway.



**\*NOTE:** Runaway oscillation can get very loud, very quickly! Avoid using short delay **TIME** with high **REPEATS** settings that can create runaway oscillation.

## Knobs and Switches

### Front Panel Controls

#### LED INDICATOR

Blinks at the tempo of the delay **TIME** when the effect is engaged. Use the **FOOTSWITCH** to engage and disengage the effect. Also flashes additional colors when configuring Power Up Mode features (see [page 9](#)).



#### MIX

Controls the delay mix from full dry at minimum to full wet with no dry signal at maximum. A 50/50 mix occurs at approximately 3 o'clock on the knob. (See [page 11](#) for Dry Signal selection.)

#### MOD

Adds LFO modulation to the delay time. Modulation is off at the minimum setting. The modulation speed is slow in the first half of the knob and fast in the second half of the knob, increasing in intensity as the knob is turned clockwise.

#### FOOTSWITCH

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

The **FOOTSWITCH** can also be utilized for Tap Mode, as covered on the next page.

**\*NOTE:** Press and hold the **FOOTSWITCH** for 3 seconds to enter Save Mode (see [page 31](#)), or to configure Expression Pedal parameter assignments (see [page 16](#)).

## Knobs and Switches

### Onboard Tap Mode

Press and hold the **FOOTSWITCH** for 1 second to enter/exit Onboard Tap Mode and tap quarter notes to set your delay time.\* The LED will flash **RED** and **BLUE** to indicate the tempo. Maximum tap range is 2 seconds.

The **TIME** knob sets the **TAP DIVISION** when in Tap Mode. The **TAP DIVISION** options, from minimum to maximum on the **TIME** knob, are: ♪<sup>3</sup> **TRIPLET**, ♪ **EIGHTH**, ♪ **DOTTED EIGHTH**, and ♪ **QUARTER** note.



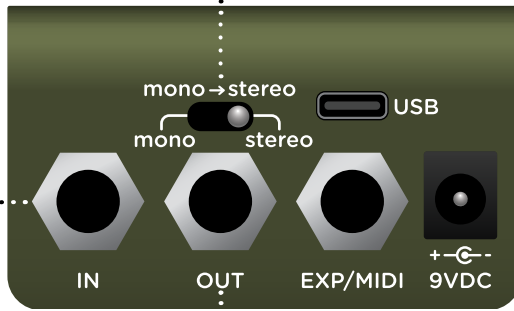
**\*NOTE:** You can optionally configure an external footswitch for **External Tap, Favorite, or Infinite Mode** functionality. (See [page 13](#).)

When using an External Tap Mode switch, you can follow the above instructions in Onboard Tap Mode to set your **TAP DIVISION** options—the current **TAP DIVISION** setting is utilized for both Onboard and External Tap Modes. (Also, see [page 20](#).)

## 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** .....

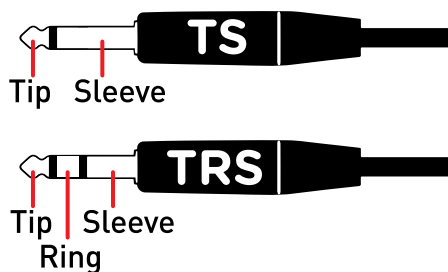
(TRS jack) High impedance, ultra low-noise, discrete Class A JFET stereo preamp.

.....**OUT**

(TRS jack) Low impedance stereo output.

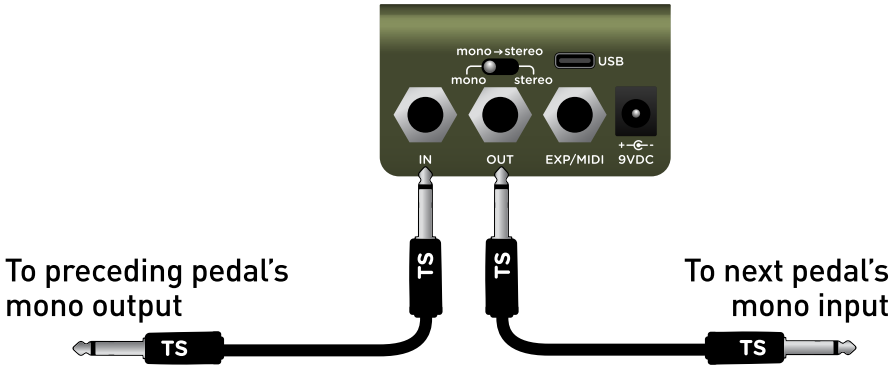
### Mono and Stereo I/O Cable Connections

The Brig **IN** and **OUT** jacks can accept either TS or TRS type 1/4" cables for mono or stereo connections, respectively:

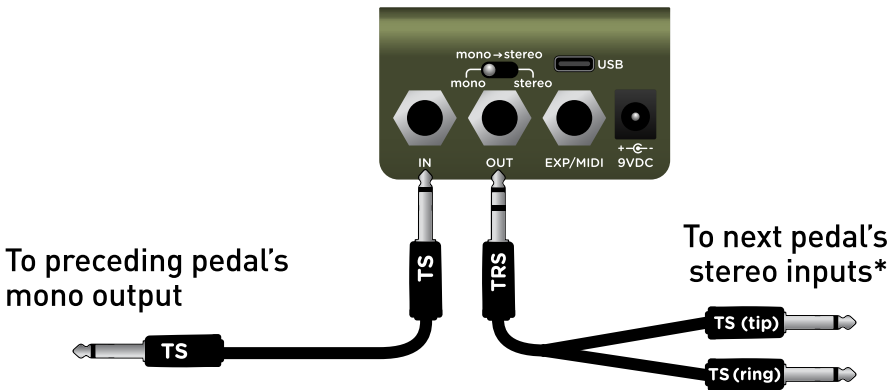


**NOTE:** With a TRS stereo connection, the **Tip** carries the **left** signal and the **Ring** carries the **right** signal.

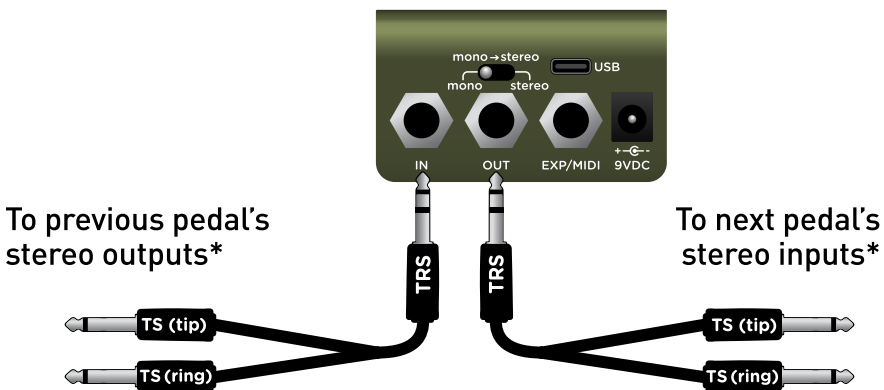
**Mono In - Mono Out:** To connect Brig in a mono signal chain, use TS cables for both Brig's **IN** and **OUT**. Set the **I/O Selector** switch to **mono**.



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



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



**\*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

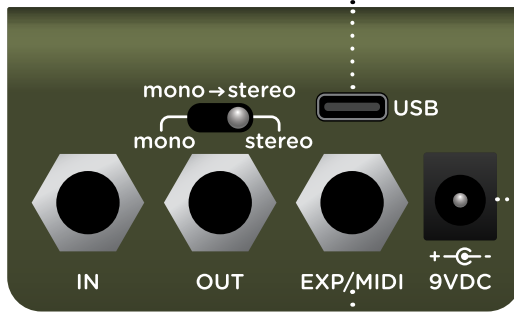
Computer connection for MIDI I/O and firmware updates.

### 9VDC

Only use an adapter with the following rating:

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

(Adapter sold separately.)



### EXP/MIDI

Multifunction communication jack for external control of Brig's features and functions. Can be set to operate in one of the following modes. (See [“Configuring the EXP/MIDI Jack” on page 13](#) for details.)

**Expression Pedal Mode** (see [page 16](#)).

**Favorite Mode** (see [page 17](#)).

**Tap Mode** (see [page 19](#)).

**Infinite Mode** (see [page 19](#)).

**MIDI Mode** (see [“Configuring Brig for MultiSwitch Plus” on page 22](#) or [“Saving Presets in MIDI Mode” on page 31](#)).



## Power Up Modes

### Bypass Mode for Mono I/O

With the rear **I/O Mode Selector** set to mono, the Brig pedal is set for True Bypass as the default.\* Setting Brig 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 Brig. Once the LED flashes **RED**, release the footswitch.



- 2 Toggle the **VOICE (BYPASS MODE)** 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 **3205** (left) or **3005** (middle) position. The LED lights **GREEN** (default).
  - **Buffered Bypass:** set the switch to the **multi** (right) position. The LED lights **RED**.
- 3 Press the **FOOTSWITCH** to store the Bypass Mode and begin using Brig.

**NOTE:** The Bypass Mode setting persists across power cycles.

## Power Up Modes

### Spillover Mode

Setting Brig to Spillover Mode allows the wet delay signal of the currently selected preset to “spill” into bypass—or into the next loaded preset if you’re using a Multiswitch Plus or MIDI for preset switching.

**NOTE:** Because of the buffer architecture, the current preset must be active for at least 5 seconds before Spillover between presets will be operational. Spillover is available immediately when bypassing the effect.

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



- 2 Turn the **MOD (SPILLOVER MODE)** knob to set Spillover Mode on or off. The LED will change color to indicate the current status as you turn the knob.
  - Spillover Mode Off: **AMBER** (default, minimum)
  - Spillover Mode On: **PURPLE** (maximum)

**NOTE:** When Spillover is set to On, Bypass Mode is set to Buffered Bypass.

- 3 Press the **FOOTSWITCH** to store the Spillover Mode setting and begin using Brig.

**NOTE:** The Spillover Mode setting persists across power cycles and is not saved per preset.

## Power Up Modes

### Dry Signal

The Dry Signal can be set in one of three different ways.

- **Digital Mode** uses the converted dry signal and allows the **MIX** knob to dial out the dry signal when turned past the 3 o'clock position.
- **Analog Mode** keeps the dry signal in analog.
- **Kill Dry Mode** mutes the analog dry path signal, allowing the **MIX** knob to strictly control the “wet” effect output level. This is often preferable if using Brig within an amp’s parallel effects loop or a mixer’s aux or effects send.

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



- 2 Turn the **REPEATS (DRY SIGNAL)** knob to select one of the three Dry Signal options. The LED will change color to indicate the current status as you turn the knob.
  - **Digital Mode:** **GREEN** (default, minimum)
  - **Analog Mode:** **RED** (12 o'clock)
  - **Kill Dry Mode:** **BLUE** (maximum)
- 3 Press the **FOOTSWITCH** to store the Dry Signal setting and begin using Brig.

**NOTE:** The Dry Signal setting persists across power cycles and is not saved per preset.

## LED Brightness

You can adjust the brightness of Brig's LED to optimize visibility in any environment or lighting conditions.

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



- 2 Press and hold the **FOOTSWITCH** again and turn the **MOD (LED BRIGHTNESS)** knob to adjust the brightness of the LED from low to high (the default). Release the **FOOTSWITCH** when your adjustment is complete.
- 3 Press and release the **FOOTSWITCH** to store the LED Brightness setting and begin using Brig.

**NOTE:** The LED Brightness setting persists across power cycles and is not saved per preset.

## Power Up Modes

### Configuring the EXP/MIDI Jack

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

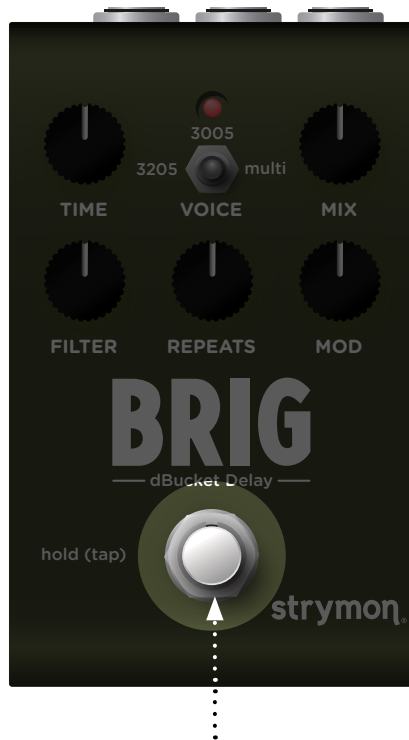


- 2 Turn the **MIX (EXP/MIDI JACK)** knob to select the function of the rear panel's **EXP/MIDI** jack. The LED will change color to indicate the current status as you turn the knob.
  - **Expression Pedal Mode: GREEN** (default, minimum) - Using a standard TRS expression pedal, allows continuous control over any of the knobs. (See [page 16](#) for details.)
  - **Favorite Mode: AMBER** (11 o'clock) - Using a Strymon MiniSwitch, allows you to recall a Favorite setting. (See [page 17](#) for details.)
  - **Tap Mode: RED** (12 o'clock) - Using a Strymon MiniSwitch, allows you to tap in a tempo in quarter notes for your delay repeats to follow. (Also, see the **FOOTSWITCH** description on [page 4](#) for note division options.)
  - **Infinite Mode: PURPLE** (2 o'clock) - Using a Strymon MiniSwitch allows for infinite delay repeats of the input signal—essentially the same as turning the **REPEATS** knob to maximum. (See [page 19](#) for configuration details.)

(Continued, next page →)

## Configuring the EXP/MIDI Jack (continued)

- **MIDI Mode: BLUE** - Allows for the use of a Strymon MultiSwitch Plus or an external MIDI controller:
  - **MultiSwitch Plus** - A MultiSwitch Plus device can be set to PRESET Mode to access three presets or to CUSTOM Mode, where its switches control TAP, FAVORITE, and INFINITE. (See [“Configuring Brig to Use MIDI” on page 26.](#))
  - **MIDI** - 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 presets are available via MIDI. (See [“Saving Presets in MIDI Mode” on page 31.](#))



- 3 Press the **FOOTSWITCH** to store the EXP/MIDI Jack Mode and begin using Brig.

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

**NOTE:** When EXP/MIDI jack is set to MIDI mode, connecting a cable into the EXP/MIDI jack will set the pedal to Buffered Bypass.

## External Control

### Syncing to MIDI Clock for Delay Time

Once configured for MIDI Mode, Brig will automatically respond to MIDI Clock when received via the EXP/MIDI jack, allowing Brig's delay time to be synced to the incoming MIDI Clock BPM.

While synced to MIDI Clock, you can optionally use the **TIME** knob to select a TAP DIVISION for the incoming clock tempo. The options available, from minimum to maximum on the knob, are:

♩<sup>3</sup> TRIPLET, ♪ EIGHTH, ♪. DOTTED EIGHTH, and ♪ QUARTER note.



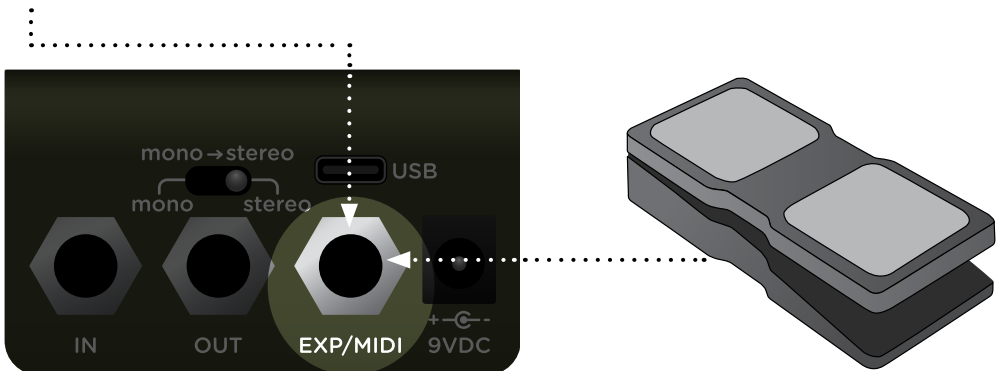
**NOTE:** Incoming MIDI Clock will also be sent to Brig's MIDI Out when the MIDI Out is set to THRU. See [page 30](#).

## External Control

### Expression Pedal Setup

Use a TRS expression pedal to remotely control the knobs of Brig. By default, Brig is configured so that an Expression pedal controls the **MIX** knob.

- 1 Configure the **EXP/MIDI** jack for Expression Mode. (See [page 13](#) for configuration instructions.)
- 2 Connect an expression pedal to the **EXP/MIDI** jack of Brig using a TRS cable.



- 3 Press and hold the **FOOTSWITCH** for at least 3 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 Brig **FOOTSWITCH** to exit and store your expression pedal setup.

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

**NOTE:** If Brig 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.



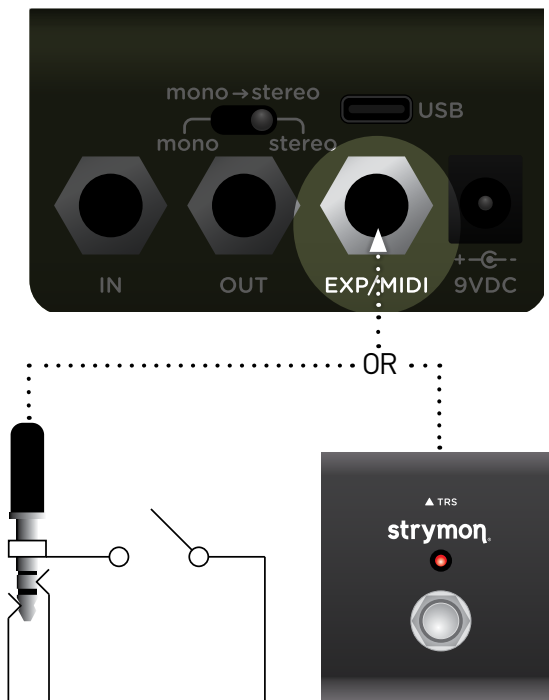
## External Control

### 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 [page 19](#).

- 1 Configure the **EXP/MIDI** jack for Favorite Mode. (See [page 13](#) 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 Brig footswitch for at least 3 seconds, until the LED blinks **GREEN**. Then, press and hold the Brig 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 Brig.

## 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 [page 31](#) for details.)

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

## External Control

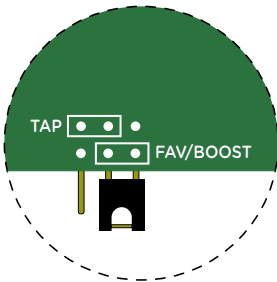
### Tap and Infinite Mode Jumper Switch Configuration

You can use your Strymon MiniSwitch (sold separately) or an external, non-latching (momentary) type switch to access Brig's Tap Tempo and Infinite Mode features.

The Strymon MiniSwitch includes an internal jumper switch that must be changed from its factory **FAV/BOOST Mode** setting to work for Brig's Tap and Infinite switching. Follow these steps to configure the MiniSwitch's jumper switch.

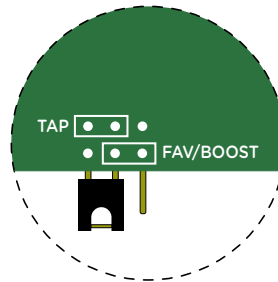
- 1 Unscrew the four screws on the bottom of the MiniSwitch chassis.
- 2 Once opened, locate the small jumper underneath the circuit board and change it from the center and right pins (**FAV/BOOST**) to the center and left pins (**TAP**).

Close-up view of the MiniSwitch circuit board jumper switch



#### FAV/BOOST Mode

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



#### TAP Mode

For Brig's Tap and Infinite Switch functionality—place the jumper on the two **LEFT** pins.

- 3 Once the jumper configuration is complete, secure the cover back on your MiniSwitch. See the following External Tap and Infinite Mode setups to configure your external footswitch.

## External Control

### External Tap Mode Switch Setup

Connect a MiniSwitch or other external momentary footswitch with a TRS cable to tap in a delay time. (As covered on [page 5](#), you can also use Brig's **FOOTSWITCH** for Onboard Tap Mode.)

**NOTE:** Your Strymon MiniSwitch's internal jumper switch must be changed from the factory-default **FAV/BOOST** to the **TAP** setting for External Tap Mode functionality—see [page 19](#).

- 1 Configure the **EXP/MIDI** jack for External Tap Mode. (See [page 13](#) or more info.)
- 2 Connect an external switch with a TRS cable to the **EXP/MIDI** jack.



- 3 Tap in a tempo in quarter notes to set the delay time. The Brig pedal's LED will flash **RED** and **BLUE** to indicate the tempo. Maximum tap range is 2 seconds.

**NOTE:** External Tap Mode utilizes the current **TAP DIVISION** setting. To change the **TAP DIVISION** setting, you must use the Brig pedal's **FOOTSWITCH** to enter Onboard Tap Mode. See [page 5](#).

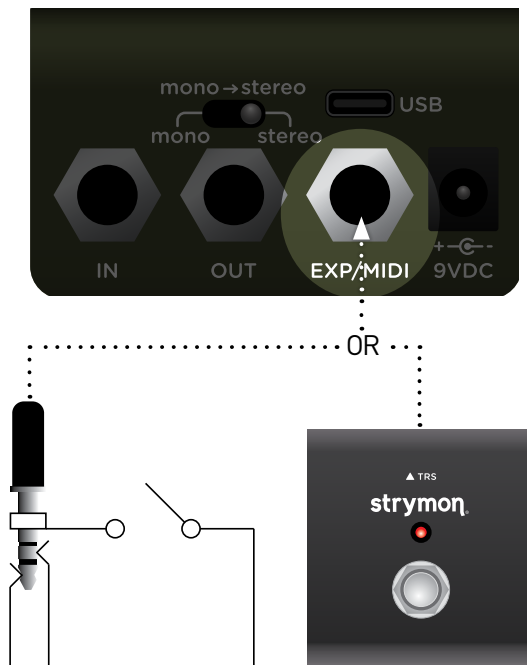
## External Control

### Infinite Mode Switch Setup

Connect a MiniSwitch or other external momentary footswitch with a TRS cable to provide infinite delay repeats on demand, whenever the switch is held.

**NOTE:** Your Strymon MiniSwitch's internal jumper switch must be changed from the factory-default **FAV/BOOST Mode** to the **TAP Mode** setting for Infinite Mode Switch functionality—see [page 19](#).

- 1 Configure the **EXP/MIDI** jack for Infinite Mode. (See [page 13](#) or more info.)
- 2 Connect an external switch with a TRS cable to the **EXP/MIDI** jack.



- 3 **To Engage Infinite Mode:** Press and hold MiniSwitch to engage infinite repeats. Release the external footswitch to disengage Infinite mode.

## External Control

### Configuring Brig for MultiSwitch Plus

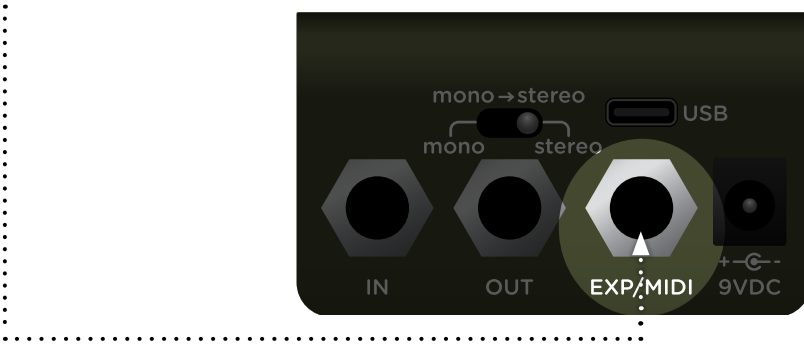
Configure Brig and a Strymon MultiSwitch Plus (sold separately) for additional external control.

- 1 Press and hold the Brig **FOOTSWITCH** while connecting power to the pedal. Hold for at least 2 seconds, until the LED stops blinking.
- 2 Turn the **TIME** knob all the way counter-clockwise to set the **MIDI CHANNEL** to Channel 1. The LED should be **GREEN**.
- 3 Turn the **FILTER** knob to select one of the following **MIDI OUT** options:
  - Send MIDI CC and Other Data: **GREEN**
  - Send Other Data: **AMBER**
- 4 Turn the **MIX** knob all the way clockwise to set the **EXP/MIDI** jack to MIDI Mode. The LED should be **BLUE**.
- 5 Press the Brig **FOOTSWITCH** to exit and store the **MIDI CHANNEL**, the **MIDI OUTPUT** setting, and the **EXP/MIDI** Jack Mode.

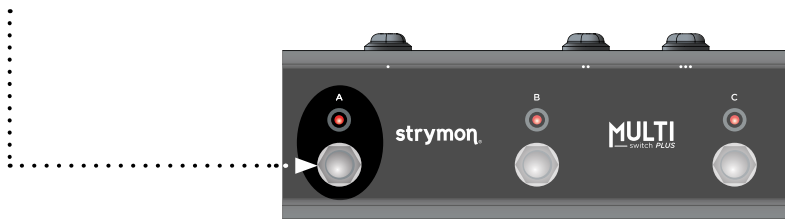
## Configuring MultiSwitch Plus for Brig

Configure MultiSwitch Plus for use with Brig for either **PRESET Mode** for preset selection or **CUSTOM Mode** for TAP - FAVORITE - INFINITE control.

- 1 Connect a TRS cable to Brig's **EXP/MIDI** jack.



- 2 For **PRESET Mode** - 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.



⋮  
 (OR)  
 ⋮

For **CUSTOM Mode** - Press and hold the **C** footswitch on MultiSwitch Plus while connecting the other end of the TRS cable into one of the three jacks. The three LEDs on MultiSwitch Plus will blink **GREEN** when you release the C footswitch.

## External Control

### Using MultiSwitch Plus in Preset Mode

Selecting and saving Brig presets using MultiSwitch Plus.



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

- 1 Step on a switch that is not illuminated to recall the corresponding preset.
- 2 Step on an illuminated switch to bypass Brig.

### Saving Brig Presets with MultiSwitch Plus

- 1 Dial in the sound that you would like to save as your preset on Brig.
- 2 Press and hold the Brig FOOTSWITCH for at least 3 seconds, until its LED blinks **GREEN**.
- 3 Press the A, B, or C MultiSwitch Plus footswitch to save the current state of the pedal to the desired location.



## Using MultiSwitch Plus in TAP-FAVORITE-INFINITE Mode

Controlling Brig features using MultiSwitch Plus.



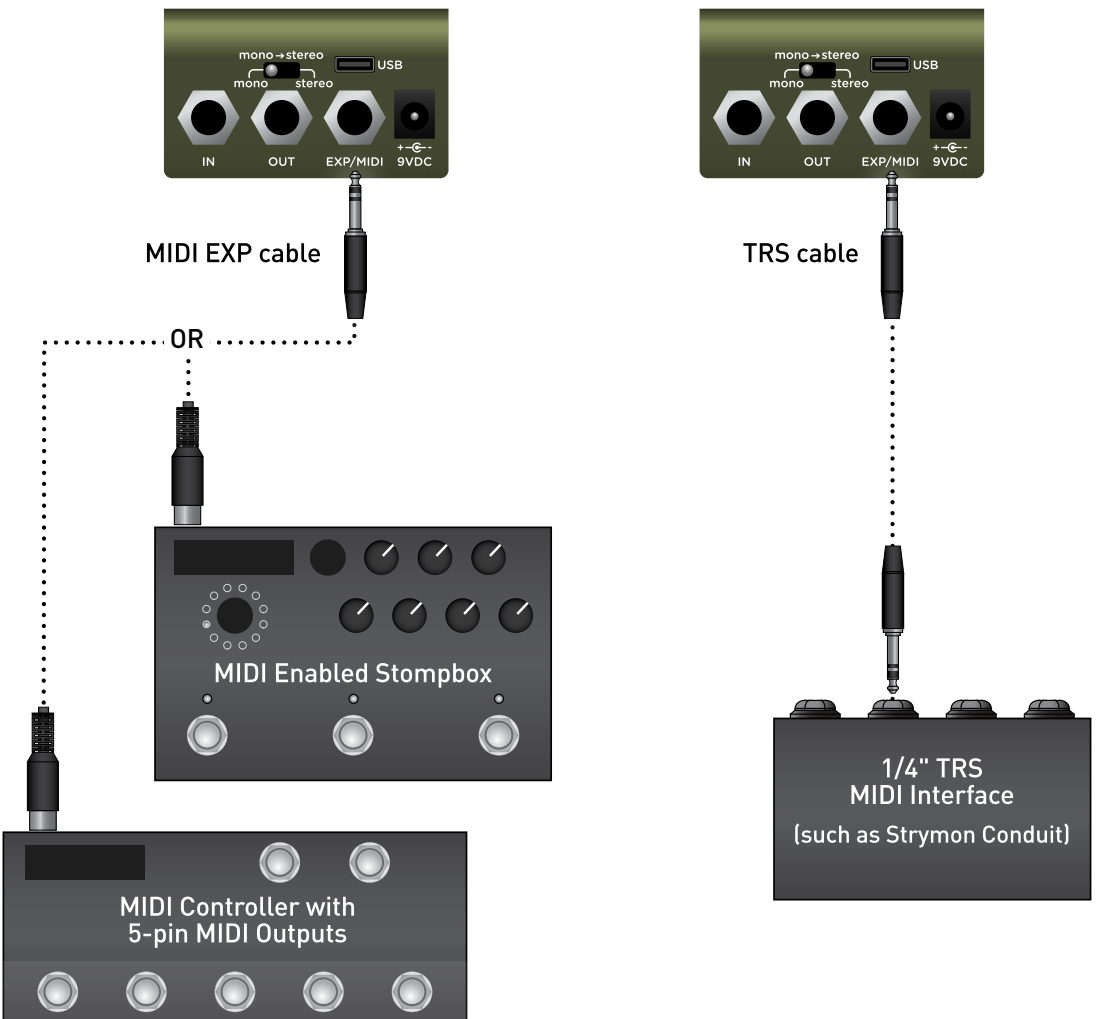
- Tap on footswitch **A** to set the TAP TEMPO rate for your Brig repeats to follow.
- Press and release footswitch **B** to load your designated FAVORITE preset.
- Press and hold footswitch **C** for INFINITE delay repeats while the footswitch is held.

## MIDI Functionality

### Configuring Brig to Use MIDI

Using MIDI unlocks a set of tools that can be used to load any of Brig's 300 preset locations using a suitable MIDI controller or interface connected to the Brig **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 30](#) for details.)



## Configuring Brig 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 Brig. Once the LED flashes **RED**, release the footswitch.



- 2 Turn the **MIX (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 Brig to Use MIDI (continued)

### STEP 2 – SET MIDI CHANNEL



**3** Turn the **TIME** (**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 exits the Power Up Mode to allow you to begin using Brig. (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 Brig.

**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 Brig using the Strymon MIDI EXP cable, the MIDI OUT Mode must be set to **OFF**. (See [page 30](#) for details on configuring the MIDI OUT Mode.)

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

## Configuring Brig to Use MIDI (continued)

### STEP 3 – SET MIDI OUT MODE

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



- 2 Turn the **FILTER (MIDI OUT)** knob to select what kind of MIDI data is sent from Brig to other MIDI devices. The LED will flash momentarily to indicate your selection.
  - **OFF: RED** (default, minimum) - No MIDI messages are sent out of Brig.
  - **THRU: BLUE** (11 o'clock) - Incoming MIDI messages are sent to the MIDI Out without any additional MIDI messages generated by Brig.
  - **SEND CC, OTHER: GREEN** (1 o'clock) - MIDI CC and Sysex messages generated by Brig are sent to the MIDI Out.
  - **SEND OTHER: AMBER** (maximum) - Sysex messages generated by Brig 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 Brig's 300 preset locations at any time.

- 1 To enter Save Mode, press and hold the **FOOTSWITCH** for at least 3 seconds, until the LED blinks **GREEN** to indicate that Brig 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 3 seconds, until the LED lights **BLUE**.



To save the current state of the pedal to any preset location, send the unit a MIDI Program Change on Brig'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 Brig 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** Favorite setting (accessible via MiniSwitch)

**CHANGE 0** See [page 17](#) for details.

**MIDI PROGRAM** MultiSwitch Plus - footswitch 1

**CHANGE 1**

**MIDI PROGRAM** MultiSwitch Plus - footswitch 2

**CHANGE 2**

**MIDI PROGRAM** MultiSwitch Plus - footswitch 3

**CHANGE 3**

**MIDI PROGRAM** Manual Mode (“knobs”)

**CHANGE 127**

**NOTE:** Some MIDI applications and controllers start with MIDI Program Change 1 instead of 0. In these setups, increment the MIDI Program Change locations above by one.

The Brig pedal always powers up in MIDI Patch Bank 0, so if you plan to stay within the first 127 presets, 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 Brig into Manual Mode. In this mode, Brig 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	Voice	1-3	(1=3205, 2=3005, 3=multi)
12	Time	0-127	
13	Filter	0-127	
14	Repeats	0-127	
15	Mod	0-127	
16	Mix	0-127	
17	Tap Division	0-3	(0=triplet, 1=eighth, 2=dotted eighth, 3=quarter)
27	Footswitch	0, 127	(0=release, 1-127=press)
93	Tap	0, 127	(any value)
97	Infinite	0, 127	(0=release, 1-127=hold)
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, increment the numbers above by one.

## 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 Brig. Once the LED flashes **RED**, release the footswitch.



- 2 Press and hold the **FOOTSWITCH** again, and while still holding it down, sweep the **FILTER (FACTORY RESET)** knob from minimum to maximum and back twice. 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**, Brig resets and restarts

## Factory Reset (continued)

### Factory Default Settings

FEATURE	FACTORY DEFAULT SETTING
Bypass Mode:	True Bypass
Spillover Mode:	Off
Dry Signal:	Digital
LED Brightness:	Maximum
EXP/MIDI Jack:	Assigned to Expression Mode and configured to control the <b>MIX</b> knob
MIDI Channel:	1
MIDI OUT Mode:	Off
MIDI Expression:	On

## Features

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- Hand-crafted dBucket algorithm accurately reproduces all of the sonic and behavioral attributes of classic Bucket Brigade chips
- Filter control for flexible tone shaping of delay repeats
- Adjustable LFO modulation for moderately to intensely modulated delay repeats
- Three selectable Voice modes to recreate vintage BBD circuit styles, providing different tonal characteristics and time ranges (**3205**: 30–300ms, **3005**: 100ms–1 sec, and **multi**: two cross-coupled super-clean BBD delay lines with golden ratio timing ratio)
- Four Tap Tempo note divisions (triplet, eighth, dotted eighth, and quarter)
- Analog dry path option for a zero-latency dry signal that is never converted to digital
- Kill Dry mode to optionally mute the dry signal, providing control for the wet signal only
- Stereo input and stereo output (requires “TRS to dual TS” adapter or cable for each jack) if interfacing with non-TRS gear
- True Bypass (electromechanical relay switching)
- Expression pedal input allows the connection of a 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 (bi-directional Continuous Controller & Program Change messages and 300 presets)
- USB-C jack for performing firmware updates and connection to [Strymon Nixie](#) editor software
- +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

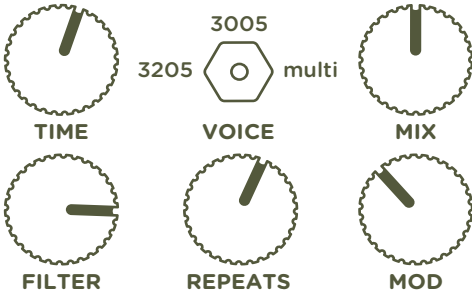
## Power Adapter Requirements

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

# Appendix 1: Sample Settings

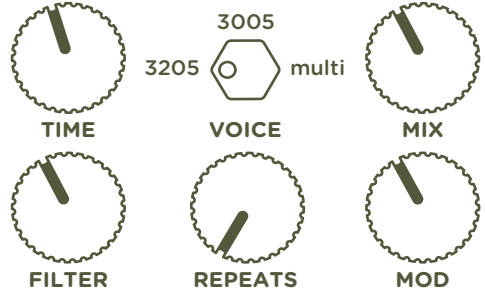
# Sample Settings

## Classic Mod Delay



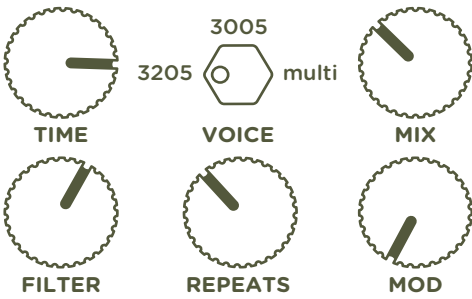
MIDI Program Change 0  
MiniSwitch Favorite

## 11 O'Clock Slap



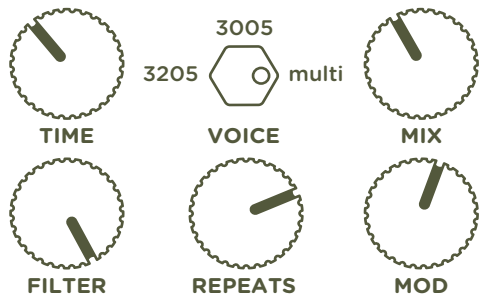
MIDI Program Change 1  
MultiSwitch Plus A

## Always On



MIDI Program Change 2  
MultiSwitch Plus B

## Verby



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 Brig **FOOTSWITCH** for at least 2 seconds while powering up Brig. 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
<b>BYPASS MODE FOR MONO I/O</b> See <a href="#">page 9</a> for an illustrated description.	Set the <b>VOICE</b> switch - status shown on the LED <ul style="list-style-type: none"> <li>• <b>True Bypass:</b> switch in the <b>3205</b> (left) or <b>3005</b> (middle) position - LED <b>GREEN</b> (default)</li> <li>• <b>Buffered Bypass:</b> switch in the <b>multi</b> (right) position - LED <b>RED</b></li> </ul>
<b>SPILOVER MODE</b> See <a href="#">page 10</a> for an illustrated description.	Turn the <b>MOD</b> knob - status shown momentarily on the LED <ul style="list-style-type: none"> <li>• <b>Off:</b> <b>AMBER</b> (default, minimum knob position)</li> <li>• <b>ON:</b> <b>PURPLE</b> (maximum knob position)</li> </ul>
<b>DRY SIGNAL</b> See <a href="#">page 11</a> for an illustrated description.	Turn the <b>REPEATS</b> knob - status shown momentarily on the LED <ul style="list-style-type: none"> <li>• <b>Digital:</b> <b>GREEN</b> (default, minimum knob position)</li> <li>• <b>Analog:</b> <b>RED</b> (12 o'clock knob position)</li> <li>• <b>Kill Dry:</b> <b>BLUE</b> (maximum knob position)</li> </ul>
<b>LED BRIGHTNESS</b> See <a href="#">page 12</a> for an illustrated description.	Press and hold the footswitch again and turn the <b>MOD</b> knob to adjust the brightness of the LED.
<b>EXP/MIDI JACK MODE</b> See <a href="#">page 13</a> for an illustrated description.	Turn the <b>MIX</b> knob - status shown on the LED <ul style="list-style-type: none"> <li>• <b>Expression:</b> <b>GREEN</b> (default, minimum knob position)*</li> <li>• <b>Favorite:</b> <b>AMBER</b> (11 o'clock knob position)</li> <li>• <b>Tap:</b> <b>RED</b> (12 o'clock knob position)</li> <li>• <b>Infinite:</b> <b>PURPLE</b> (2 o'clock knob position)</li> <li>• <b>MIDI:</b> <b>BLUE</b> (maximum knob position, also for using MultiSwitch Plus)</li> </ul>

**\*NOTE:** Also see [“Expression Pedal Setup” on page 16](#) to configure your pedal functionality per preset.

## Power Up Modes - Quick Reference (continued)

POWER UP MODE	OPTIONS
<b>MIDI CHANNEL</b> See <a href="#">page 28</a> for an illustrated description.	Turn the <b>TIME</b> knob - status shown on the LED <ul style="list-style-type: none"> <li>• <b>1: GREEN</b> (default, minimum knob position)</li> <li>• <b>2: AMBER</b> (10 o'clock knob position)</li> <li>• <b>3: RED</b> (12 o'clock knob position)</li> <li>• <b>4-16: BLUE</b> (maximum knob position) - channel set by next received MIDI Program Change message</li> </ul>
<b>MIDI OUT MODE</b> See <a href="#">page 30</a> for an illustrated description.	Turn the <b>FILTER</b> knob - status shown momentarily on the LED <ul style="list-style-type: none"> <li>• <b>OFF: RED</b> (default, minimum knob position)</li> <li>• <b>THRU: BLUE</b> (11 o'clock knob position)</li> <li>• <b>ON CC, OTHER: GREEN</b> (1 o'clock knob position)</li> <li>• <b>ON OTHER: AMBER</b> (maximum knob position)</li> </ul>
<b>FACTORY RESET</b> See <a href="#">page 34</a> for an illustrated description.	While holding down the footswitch, turn the <b>FILTER</b> knob from 0% to 100% and back two times - status shown on the LED

## Strymon Non-Transferable Limited Warranty

### Warranty

Strymon warrants 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](http://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.

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## 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.



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