ICEBERG EFFECTS

STRIJP

DUAL OVERDRIVE V2

USER MANUAL

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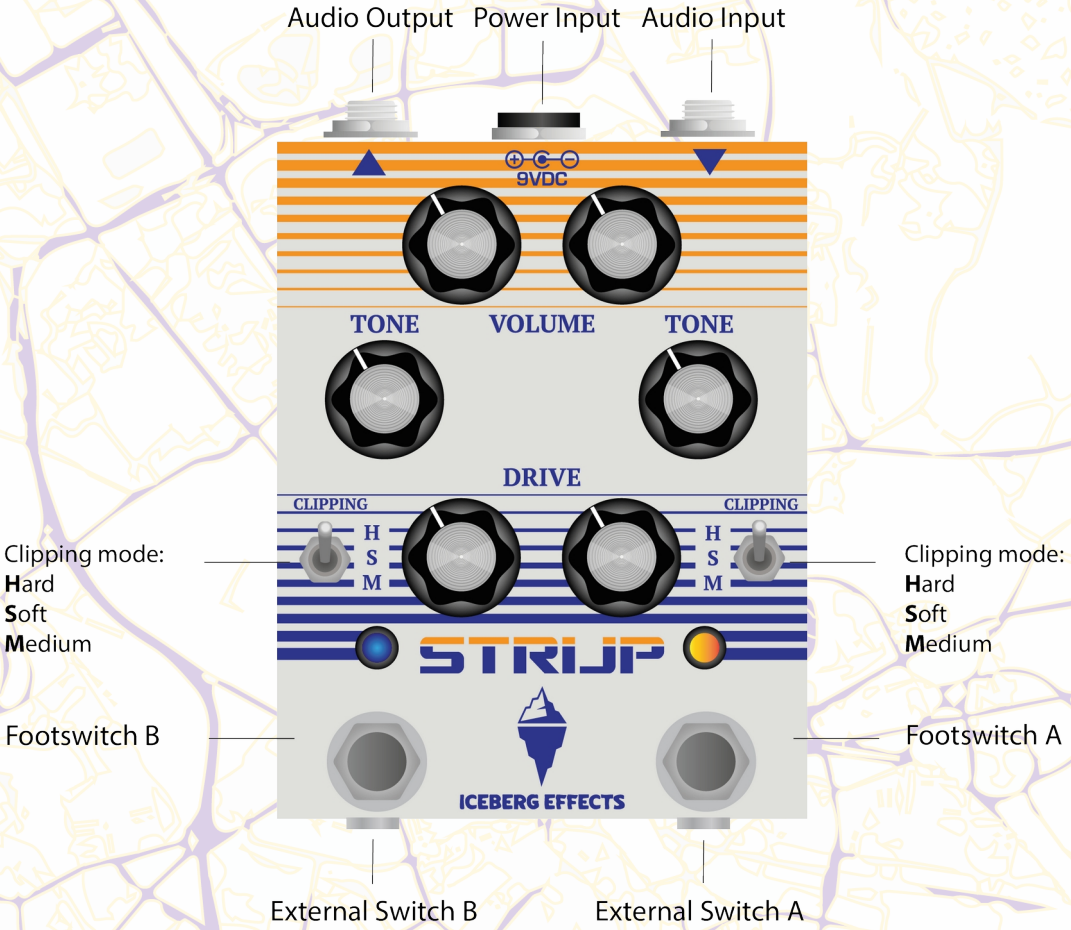
Strijp Controls

The Strijp pedal is a dual overdrive; it has two overdrive effects in one enclosure. Both effects are identical, with the same set of controls. Both sides are based on a transparent overdrive pedal, but with additional controls for clipping. Use either side as a clean boost, a transparent low gain overdrive, a gritty distortion. Use each side individually or stack them, the options are nearly endless.



Audio Input Connect the Strijp pedal to your guitar or another effect pedal using a 6.35mm (¼") mono TS audio cable.

Audio Output Connect the Strijp to your amp or other effect pedals using a 6.35mm (¼") mono TS audio cable.

Power input Use a 9V power supply with a 2.1mm center negative plug to power the Strijp pedal. The pedal draws a current of maximum 130 mA, use a power supply that can supply at least this amount of current.

Footswitch A This footswitch engages and disengages the right side (side A) of the pedal. When disengaged, the effect is completely bypassed and will not have an influence on the sound (True Bypass). When engaged, the yellow LED will light up, when disengaged the yellow LED will be off.

Footswitch B This footswitch engages and disengages the right side (side B) of the pedal. When disengaged, the effect is completely bypassed and will not have an influence on the sound (True Bypass). When engaged, the blue LED will light up, when disengaged the blue LED will be off.

Drive The drive controls sets the amount of overdrive/distortion for both effects. The right-side drive control sets the overdrive for the right side of the pedal (yellow LED), the left control for the left side (blue LED). Turning it up will cause the effect to have more overdrive and get louder. The amount of overdrive is also dependent on the position of the clipping switches.

Volume The Volume controls set the output volume level for both effects. The right-side volume control sets the volume for the right side of the pedal (yellow LED), the left control for the left side (blue LED). Turning it up (clockwise) will cause the effect to get louder.

Tone The Tone controls set the level of high frequencies for both effects. The right-side Tone control sets the tone for the right side of the pedal (yellow LED), the left control for the left side (blue LED). Turn it to the left to make the sound darker, turn it to the right to make it brighter.

Clipping Modes These toggle switches set the clipping mode for each side. Use the right toggle switch to set the clipping for the right side of the pedal (yellow LED), use the left toggle for the left side (blue LED).

Hard: Uses hard clipping for a more distorted sound. This hard clipping, using BAT41 diodes, is applied on top of the soft clipping. Setting the pedal to distortion mode will give the effect side less output volume. This is part of the design and perfectly normal.

Soft: In Soft mode, there is only soft clipping applied to the signal and no hard clipping. The clipping is done using 1N914 diodes in an asymmetrical form, providing amp-like clipping.

Medium: Although in technical terms still hard clipping, the Medium clipping mode provides a clipping that falls nicely in between the Soft and Hard clipping mode. The 1N4148 diodes provide a clipping that is barely noticeable at low drive settings and soft playing, but more prominent at higher drive settings.

External Switch A This input port provides the option of externally trigger footswitch A, thereby enabling/disabling the right side of the pedal. This port can be used for connecting the Strijp pedal to other Iceberg Effects pedals. Use a 3.5mm TS or TRS cable to connect the pedals. More detailed information can be found in the section ‘External Footswitch Bypass: Linking Pedals’.

External Switch B This input port provides the option of externally trigger footswitch B, thereby enabling/disabling the right side of the pedal. This port can be used for connecting the Strijp pedal to other Iceberg Effects pedals. Use a 3.5mm TS or TRS cable to connect the pedals. More detailed information can be found in the section ‘External Footswitch Bypass: Linking Pedals’.

Strijp Relay Bypass System

The Strijp effects pedal is equipped with a relay-based bypass system for both footswitches. This gives the Strijp the option of using 5 different bypass modes.

Bypass modes

The following four footswitch bypass modes can be used:

Normal Mode (default)

In normal mode, the footswitches work like in any other dual footswitch pedal; footswitch A turns effect A (right side, yellow LED) on and off, footswitch B enables and disables effect B (blue LED). Simple as that. Fresh out of the box, Normal mode is the selected mode.

One-at-a-time Mode

You are in the middle of a song and you want to switch from one effect to the other with just one footswitch stomp? We got you! In One-at-a-time Mode, enabling an effect will automatically disable the other effect, if that effect is on. You can have both effects off at the same time, but not switched on simultaneously.

One-at-a-time Linked Mode

This mode works the same as the One-at-a-time Mode, but it also sets the external bypass mode for both footswitches to One-at-a-time Mode. This is useful for when linking the Strijp bypass system to that of another Iceberg Effects pedal. When linked, all the pedals will operate together in One-at-a-time Mode, so engaging one (side of the pedal) can automatically disengage the other pedal and vice versa. When you are not linking pedals together, the One-at-a-time Linked Mode works the same as the One-at-a-time Mode.

Always-on Mode

You are enjoying your Strijp pedal so much that you never want to switch it off? We understand. In always-on mode, at least one side of the pedal is enabled. Disabling the effect that is switched on will automatically engage the effect that is off. Enabling the effect that is off will give both effects at the same time. This allows you to toggle between the two effects with one stomp but also have both effects on at the same time.

Toggle mode

You don’t want to worry about stomping on the wrong footswitch whilst in the middle of the guitar solo of your life? Or you want to be able to bypass or enable both effects simultaneously with just one footswitch stomp? Then the Toggle Mode might be just for you. In Toggle Mode, the footswitch that is not pressed automatically follows the footswitch that is pressed. What that means depends on the footswitch states before entering Toggle. If one effect is on and the other is off, pressing either footswitch will reverse the their bypass states. When both effects are on or off, pressing either footswitch will turn both effects on and off at the same time.

Switching Between Bypass Modes

To switch between the different footswitch bypass modes:

- Hold both footswitches at the same time until one or both LED's start blinking. The LED's indicate the currently selected bypass mode.

  YELLOW = Normal Mode
  BLUE = One-at-a-time Mode
  BLUE FAST BLINKING = One-at-a-time Linked Mode
  BLUE + YELLOW = Always-on Mode
  BLUE + YELLOW FAST BLINKING = Toggle Mode

- Release the footswitches.
- Use Footswitch B to scroll through the 5 different modes. The LED's will change according to the selected mode.
- Once the desired mode is selected, use Footswitch A to confirm. The bypass mode is now set and the footswitch bypass states are set accordingly

The pedal remembers the selected bypass mode during pedal power-down, so that next time you use it, it will automatically set the bypass mode. When powering up the pedal, the LED's will briefly blink to indicate the selected bypass mode. The bypass states of each footswitch are also stored in the pedal's memory, so that when you power up the pedal, you can start where you left the pedal before switching it off.

Footswitch Momentary Mode

The Strijp relay bypass system makes use of a momentary function. If one of the footswitches is held for more than 400 miliseconds, the momentary function is enabled and when releasing the footswitch, the footswitch state will go back to the state that was enabled before holding the footswitch. The momentary mode is useful when you want to only briefly engage the effect.

By default, the momentary function is enabled. If you want to disable the momentary mode, follow the instructions below:

- Hold Footswitch A while powering up the pedal for more than two seconds. LED A will first blink rapidly (to set the external bypass mode, see next chapter). After two seconds, LED A will blink less frequent. The footswitch can no be released.
- When releasing the footswitch, the Momentary mode is adjusted. When the Momentary mode was enabled, it will now be disabled, and vice versa. LED A will blink to indicate the Momentary Mode status:

  BLINK ONCE: Momentary mode disabled
  BLINK TWICE: Momentary mode enabled

The selected momentary mode is stored in the pedal's memory, so that it is set to your preference the next time you use the pedal.

The momentary mode works together with the bypass mode. This means you can temporarily switch between the two effects by holding one of the footswitches, depending on the bypass mode that is selected. This is also the case when multiple pedals are linked together. Holding a footswitch of one pedal can temporarily disengage another pedal (depending on the selected bypass mode and external bypass modes).

External Footswitch Bypass: Linking pedals

The Strijp effects pedal is equiped with two ports for externally triggering the footswitches; there is one port for each footswitch. These ports allow you two link two Iceberg Effects pedals together and have the footswitches of the two pedals work together! This for example allows you to automatically enable one effect when disabling another. The external bypass modes that can be used between the linked pedals are the same as the pedal internal bypass modes described on the previous page. Linking the two pedals can be done by using a 3.5mm TS or TRS cable (only the tip carries signal). When linking pedals, make sure to select the same external bypass mode for the footswitches that are connected.

Setting External Bypass Mode Footswitch A

To set the external footswitch bypass mode, follow these steps:

- Hold Footswitch A while powering up the pedal for no longer than two seconds. LED A will blink rapidly.
- When releasing the footswitch, the LED's will indicate the currently selected external bypass mode for Footswitch A

  BLUE = One-at-a-time Mode
  BLUE + **YELLOW** = Always-on Mode
  BLUE + **YELLOW FAST BLINKING** = Toggle Mode (Default)

- Use Footswitch B to scroll through the 3 different modes. The LED's will change according to the selected mode.
- Once the desired mode is selected, use Footswitch A to confirm. The external bypass mode for Footswitch A is now set.

The pedal will now continue it's start-up routine and is ready for use. The external bypass mode is saved in the pedal memory and will be automatically set the next time you power up the pedal.

Setting External Bypass Mode Footswitch B

The procedure for setting the external bypass mode for Footswitch B is the same as for Footswitch A, but this time holding footswitch B while powering up the pedal.

Examples of linking pedals

This section shows a few examples of how the bypass systems of different Iceberg Effects pedals can be linked together. There are many different combinations possible; experiment and see what combination works best for your situation!

Toggle between two effects (default)

When leaving the Strijp pedal in its default settings and connecting it to another Iceberg effects pedal (the Stratum in this example), pressing the connected footswitch (footswitch A of the Stratum and footswitch B of the Strijp in this example), will either toggle between the two effects or engage/disengage both pedals at the same time, depending on the footswitch state before connecting the pedals together.

- Strijp Footswitch A state = Stratum Footswitch B state before linking via 3.5mm cable: either of the two footswitches will enable/disable both effects at the same time
- Strijp Footswitch A state =/= Stratum Footswitch B state before linking via 3.5mm cable: either of the two footswitches will toggle between the two effects

In this example, Strijp Footswitch A and Stratum footswitch B are not linked and work individually like on any other pedal.

Double Toggle

You want to take the toggling experience one step further? Why not use two 3.5mm cables and connect both sides of the pedals? When leaving the bypass mode and external bypass modes in default (Normal and Toggle, respectively), pressing any of the connected footswitches will toggle between those effects.

One-at-a-time Linked Mode

You don't really stack your overdrives and want to use only one effect at a time? Try the One-at-a-time Linked Mode. Engaging any effect will automatically disengage any other effect that is on.

To use this mode:

- Set each pedal to One-at-a-time Linked Mode (see section Changing Bypass Modes)
- Connect the pedals with a 3.5 mm TS or TRS cable. It doesn't matter which of the two external switch ports is used.


GAIN
9VDC
DRIVE
OUTPUT
VOLUME
R > B
B > R
TREBLE
TONE
DI
BO
OD
STRATUM
ICEBERG EFFECTS
9VDC
TONE
VOLUME
TONE
DRIVE
CLIPPING
CLIPPING
H
S
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H
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STRIJP
ICEBERG EFFECTS

Bypass Mode Cheat Sheet

Hold left footswitch while powering up pedal:

- BLUE LED blinks rapidly
- Release footswitch to go to Footswitch B external bypass mode selection
- Set external bypass mode using left and right footswitch, see Change Bypass Mode

Hold right footswitch while powering up pedal:

< 2 seconds

- YELLOW LED blinks rapidly
- Release footswitch to go to Footswitch A external bypass mode selection
- Set external bypass mode using left and right footswitch, see Change Bypass Mode

> 2 seconds

Releasing footswitch will toggle between Momentary mode on and off. LED will blink once for off, twice for on.

Change Bypass Mode:

- Hold both Footswitches until LED's blink
- Release footswitches
- Use left footswitch to scroll through bypass modes
- Use right footswitch to confirm

Blinking LED's indicate selected bypass mode:

YELLOW: Normal Mode
BLUE: One-at-a-time Mode
BLUE FAST: One-at-a-time Linked Mode
BLUE + YELLOW: Always-on Mode
BLUE+ YELLOW FAST: Toggle Mode