

U S E R M A N U A L
N O C T U R N A L





Modulation



Feedback



Mix



Speed



Time



Depth



Sensibility



DUCK



NOCTURNAL



h



Reverb



Shimmer



Blend



Colour



Filter

ality

o



COLLISION
DEVICES



NOCTURNAL

USER MANUAL

Thank you for buying a “Nocturnal”.

This pedal has passed through many hands during its building here in France to be alive.

Now it is yours. Our aim at Collision Devices is to help you expand your creativity with unique and high quality effect pedals.

Thank you so much for your precious support.

Feel free to share your favorite controls, audio clips and suggestions via :

contact@collisiondevices.com or on our social medias.

*All the way through this user manual we will follow June's story after the departure of Joël.
(please refer to the BHS manual where Joël left the Earth in a spaceship)*

WARNING

The Nocturnal is an effect pedal for guitar, bass, synthesizer and any instrument or device which could be plugged into it.

ONLY use a +9V DC adapter with negative center (2.1mm).

An unregulated power supply or a higher voltage could cause some noise or damage the circuit.

That kind of problem is not included in our lifetime warranty.

Maximum current draw	400mA
Voltage	+ 9V DC (negative center)
Input Impedance	1 M Ω
Output Impedance	10 K Ω
All analog dry signal path	All digital wet signal path with 20hz-15kHz Frequency response
Size	185 x 118 x 56
Weight	250 gr

The pedal is buffered bypass

NOCTURNAL

CREATE TEXTURES FOR A NIGHT THAT NEVER ENDS

The Nocturnal has been designed to keep you awake all night long creating rich ambiances and mind blowing sounds.

As there are 3 different steps during sleep, you can pass from the Dusk, through the Night to the Dawn.

These 3 parts represent 3 different effects which can be activated together or separately.

"It's been 3 years since Joël left in space for his independent discovery program.

June still remembers the blinding lights coming from the engine.

They were so powerful that she had to squint to not end up blinded. She grips with all her strength the statuette Joël gave her before his departure.

It was sculpted in pine wood to represent a girl catching a sort of sphere and holding it on her chest."



DUSK

NOCTURNAL

Time

Sensibility

Depth

Colour

NIGHT

COLLISION
DEVICE

CREATE TEXTURES FOR A NIGHT THAT NEVER ENDS...

DUSK refers to the Delay effects with the 5 controls on the left side.

NIGHT is the Dynamic Tremolo with 2 settings in the middle.

DAWN , which is the Shimmer Reverb takes place with the 5 knobs on the right.

Each effect has its secondary function on its dedicated footswitch (trail or momentary effect)

The signal path is : Delay, Shimmer, Tremolo.

"Each night, around 10 P.M., June runs in the little wood near the residential area she lives in.

She climbs the ferns hill and arrives at the shed Joël built there. He fixed it with wooden scraps here and there.

It is made of a single door and a quite nice skylight. Joël took time to repair the electrical network with a self made windmill.

Quite unexpectedly this shed is the perfect hideout to live alone and stay connected to the worldwide networks."

DYNAMIC TREMOLO

MODULATED DELAY

SHIMMER / REVERB



What better way to let the sun disappear than looking at it, slowly leaving the horizon while playing a few chords?

The delay repeats wipe off as the sun.

In warm and blurred lines due to the modulation.

"June takes time to check each information the monitor received during the previous day.

She is convinced Joël managed to enter this black hole he was looking for in 2018.

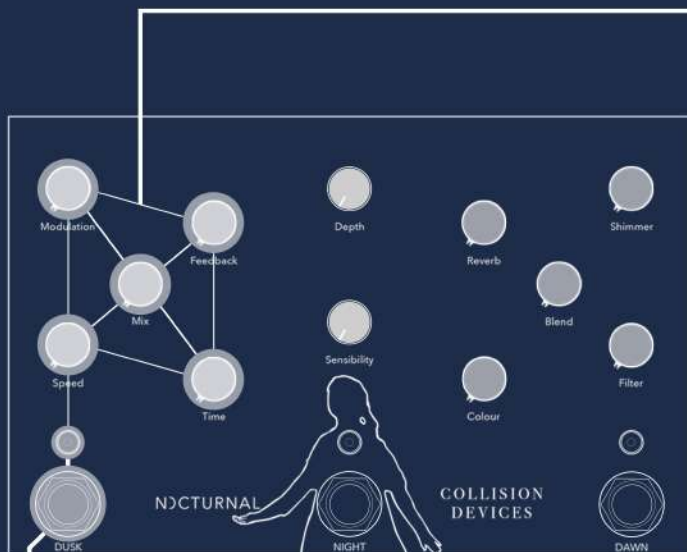
Still no sign of life and the continuous "Bip" of the receiver waiting for a signal to come back from space.

But Ellie keeps thinking Joël is alive. The only question now is "will he come back? and when?".

"When?", that's what June wrote on the ground with a piece of chalk while knowing time isn't spending at the same speed between Joël and her now."

D U S K
MODULATED DELAY

WARMED AND INSPIRATIONAL DELAY BASED ON A TAPE DELAY CIRCUIT



Mix : Controls the mix between Full Dry or 50% Dry / 50% Wet

Time : Time between each repetition. From a few ms to 1 second.
Signal quality turns to Lo-Fi when it's pushed to long repeats.

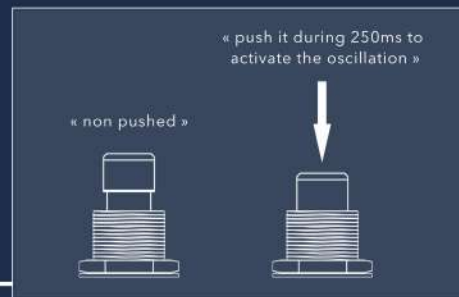
Feedback : Number of repetitions.
Able to self oscillate very easily when the knob is around 75.

Modulation : Amount of modulation in the delay repetitions.
Create a sort of old tape effect

Speed : Modulation's frequency from 0.1 to 20 Hz.

MOMENTARY EFFECT:

Stay pushed on the "Dawn" footswitch during 250ms to activate the self oscillation.
The Feedback knob has to be at higher value than zero.
Remove your feet from the footswitch to stop the self oscillation



The Dynamic Tremolo really is an interesting effect when it comes to create textures responding to volume or dynamic - in other words, how many reverb pedals you engaged in front of the Nocturnal.

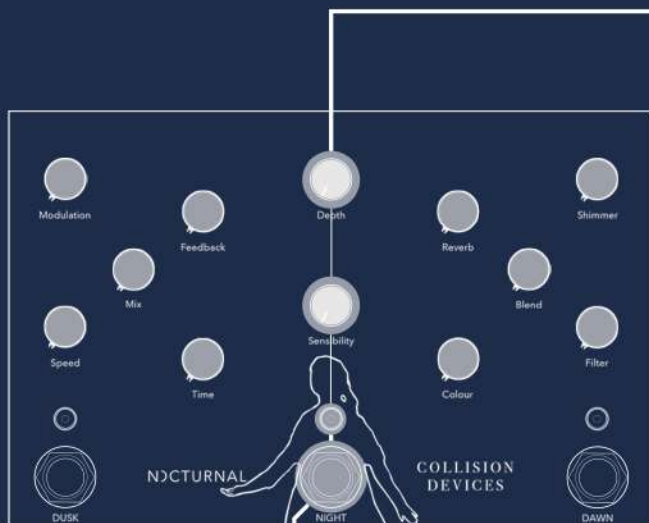
Do you feel this moment when you shiver when the night is falling down? It is exactly how this Dynamic Tremolo looks like.

The hardest you hit your strings or increase the volume, the fastest it oscillates.

"She prays, in a non religious but very spiritual way, for Joël to come back, and puts on the fairy lights drawing the part of the solar system where he left. When she closes her eyes she can see the map of this part of the sky. Even if she never saw somewhere other than on a screen due to the huge distance it represents. So like each night she recharges her phone to listen to Joël's playlist all night long. The curfew the local authorities set up from 9 P.M. to 6 A.M. to save energy does not allow her to use electricity in her haunt and uncle's house. "

N I G H T
D Y N A M I C T R E M O L O

TURN A HUGE AMOUNT OF SHIMMER AND REVERB INTO IT TO MAKE IT OSCILLATE FASTER



Sensibility : Turn it clockwise to make the tremolo more sensitive to your attack

Depth : Controls the tremolo's volume

MOMENTARY EFFECT:

Stay pushed on the "Night" footswitch during 250ms to momentarily increase the Tremolo's speed. (please note that if there is a too high volume in the tremolo it oscillates so much more quickly that it can not be distinctly heard)
Remove your feet from the footswitch to return to a normal behavior.

« non pushed »



« push it during 250ms to maximize the sensibility »



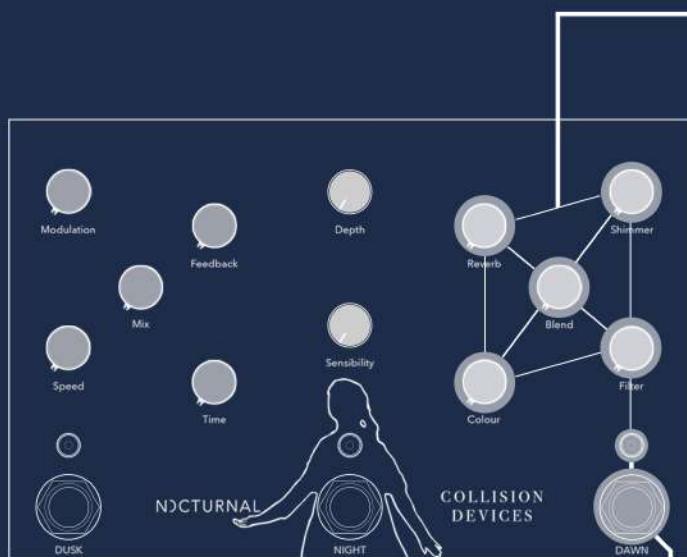
Have you ever seen these colors in the sky and felt this strange and fresh atmosphere when the sun is about to reappear at the exact opposite of its last place? Everything seems a bit more poetic when the night ends and you can imagine the darkness letting its place to life.

"She walks a few minutes while listening to the leaves crackling under her old Vans. Then she lays down where no trees can hide the pure beauty of the sky. She looks a few times at the splendid dance of the stars, so many deaths and births at the same time, it fascinates her. Her eyes start to flicker so she puts her headphones on her ears and starts dreaming. That's where the Nocturnal's magic happens. Sleepless nights are closer than ever.."

DAWN

S H I M M E R R E V E R B

CREATE BRIGHT SOUNDSCAPES AND LOOSE THE NOTION OF TIME UNTIL THE SUNRISE



Blend : Controls the amount of Dry/Wet signal. You can have a full Wet reverb.

Reverb : Reverberation time. Max 15 sec.

Shimmer : Makes the reverb shimmer.

Filter : Digital filter. Low pass. Lets you make the shimmer darker or more shiny.

Colour : Active analog notch filter around 2.2 kHz. Controls the Q of the filter. This control is at the end of the digital signal path - after the reverb process.

MOMENTARY EFFECT:

Stay pushed on the "Dawn" footswitch during 250ms to activate the trails functionality. It allows you to still hear the reverb trails while playing as if the effect was bypassed. (the led turns off but the end of your reverb trail - wet signal - continues to pass through the effect until the reverb ends)

You can remove your feet from the footswitch at any time after the 250ms cause the trail is automatically activated, and the pedal is bypassed once again.

« push it during 250ms to activate the trails »

« non pushed »



GOOD THINGS

- The full dry setting, on the Blend knob with the shimmer, increases the general volume. We have chosen that to keep a satisfying volume when the control is : 50% Dry 50% Wet, or fully Wet.

- The Tremolo is very sensitive to the volume or the dynamic. The type of pickup, precedent pedals and attack on the strings can really differ from one to another.

If you can not hear it please try to put a volume or boost pedal in front of it to check if it triggers anything

You can visualize it to double check, while removing the backplate.

A red LED blinks when the circuit detects any sound.

A "pop" can happen when you activate the footswitch for the first time after plugging the pedal. Especially for the trails functionality. A correct power supply is a good way to reduce that.

- A momentary or trail functionality can not be combined with another at the same time. These functionalities have to be used one by one. The 3 effects still can be used together.

- The Colour knob has to not be at its maximum value when the pedal is powered cause the filter can produce a very loud and high pitched oscillation.

- You can obtain a sort of bitcrushing effect while putting all of the digital controls at their maximum (Reverb, Shimmer and Filter). The Shimmer collapses on itself. Turn one of these controls counterclockwise to find back your normal shimmer sound.

TO KNOW

NOTES

We repair any pedal we manufactured as long as Collision Devices is still alive.

Warranty does not apply on any visual default due to a normal use.

We do not charge for a repair unless the PCB needs to be replaced due to user damage.

Customer is responsible for shipping to Collision Devices
and back to him/her after the repair has been done.

Take a look at our demo video on our youtube channel to find different ways
to use the pedal and the controls together.

And feel free to ask us anything you need.

THANKS

COLLISION DEVICES

— *Our work, your vibrations* |||| —