Diamond

DARK CLOUD

INSTRUCTION MANUAL

[JUNE 2024]

SIGNATURE TONE

PAGE ONE

Where analog warmth meets digital precision, the Dark Cloud redefines delay effects to create a pedal like no other.

At the heart of the Dark Cloud, an embedded system seamlessly blends input and output signals to create Tape, Harmonic and Reverse delays with the warmth and character of analog companding and precision of digital control.

Staying true to the principals of our dBBD's hybrid analog architecture, the Dark Cloud unlocks a realm of sounds that were once unattainable with a standard BBD circuit.

Embrace the future of delay technology with the Dark Cloud, where innovation and reverence for the past meet harmoniously.

FEATURE SET

PAGE TWO

POWER OUTPUT

Connect your 2.1mm, negative tip, $9V_{DC,}$ power source here.
Current Draw: 45 mA

OUTPUT JACK

Send audio to your amplifier or next pedal.

INPUT JACK

Send audio from your instrument to here.

MIX KNOB

Sets the level of the delay signal.

FEEDBACK KNOB

Sets the amount of delayed signal fed back into the delay line (the number of times the delay will repeat).

DELAY KNOB

Sets the delay time manually within the range of the current mode.

NOTE: The delay time can also be set using the **TAP | DBL** footswitch.

MODULATION KNOB

Sets the depth of the sampling rate modulation (creates a chorusing effect).

TAP MODE | DBL SWITCH

Click ▲ to cycle through tap subdivision.

Click ▼ to cycle through delay modes.

TAP DIV. LED

Each Delay Mode has its own set of 3 tap divisions. They are only applied when you tap in a tempo.

TAPE
Quarter... 1:1
Dotted Eighth...3:4
Eighth...1:2

HARMONIC
Quarter...1:1
Eighth...1:2
Sixteenth...1:4

REVERSE
Quarter...1:1
Eighth...1:2
Half...2:1

EFFECT LED

TAPE	...Warm Tape Delay
	...Warble Modulation
	...50 - 1000 ms
HARMONIC	...Stackable Intervals
	...Upward Octave Swirl
	...70 - 400 ms
REVERSE	...Reversed Repeats
	...LoFi and Long
	...400 - 1700 ms

THE DARK CLOUD'S DIGITAL BUCKET BRIGADE DELAY

The Dark Cloud offers three distinct and creative delay modes:

Combining the character of analog Companding and Anti-Aliasing with an embedded system delay line, the Dark Cloud flawlessly delivers the warmth and charm of an analog delay while offering three distinct and creative delay modes.

TAPE DELAY: Inspired by the Counter Point, this mode delivers a warm, saturated delay with tape-like warble due to its perfectly synced modulation.

HARMONIC: DELAY A favorite from Quantum Leap, it creates either a delayed octave or fifth above the input signal. The analog feedback acts like a harmonic tone control, creating enchanting upward spirals.

REVERSE: DELAY This new feature plays a classic delay backward, offering a smooth and LoFi reversed delay with an expanded time range. The analog feedback causes the repeats to alternate between backward and forward playback.

FEATURE SET

NORMAL LED OPERATION

The Dark Cloud's LED will normally do the following:

DELAY MODE LED *(left):* Solid colour to indicate the current mode.

TAP DIV. LED *(right):* Flashing at the delay time tempo and using the colour to indicate the current tap subdivision.

SPECIAL LED OPERATION

The following modes and features will cause the LEDs to deviate from their normal operation.

POWER-UP SEQUENCE

When the pedal is first plugged in, the LED's will blink back and forth between GREEN, YELLOW, RED to indicate that the powerup sequence has completed.

You can alter and access special features of the dark cloud by during the powerup operation (*see SPECIAL FEATURES on the next page*).

AUTO DIV

INDICATOR: Delay Mode LED (left) flashes RED, GREEN, YELLOW twice.

EFFECT: When a tapped tempo is outside the delay time range of your current mode, the tempo is automatically doubled or halved to match delay range,

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DOUBLER

INDICATOR: Tap Div LED (left) flashes RED, GREEN, YELLOW.

EFFECT: The tempo of the delay is doubled instantaneously or momentarily depending on the special feature setup.

SPECIAL FEATURES

Change the normal operation of the pedal by holding the footswitches and toggle switch prior to the power-up sequence. *In short, change the default to the following:*

TRAILS MODE:	The delay is killed when turned off instead of trailing off
HARMONIC INTERVAL:	The octave up harmonic becomes a fifth up harmonic
HARD CLICK:	Retain the last on/off state when powered up
DOUBLER LATCH:	Doubler only turns on while the footswitch is held down

TRAILS MODE - TOGGLE UP

When the pedal is turned off, the pedal either TRAILS off the delayed signal according to the feedback knob or KILLS the delayed signal immediately.

ACTION: Hold the TAP|MODE toggle switch up during the entire LED power-up sequence to select between Trails or Kill.

INDICATOR: The LEDs blink back and forth twice after the power-up sequence Trails or Kill

HARMONIC INTERVAL - TOGLE DOWN

The Harmonic Mode will pitch shift the input signal upwards by either an OCTAVE or a FIFTH. Both modes will continue to layer intervals using the feedback knob.

ACTION: Hold the TAP|MODE toggle switch down during the entire LED power-up sequence to select between Octave or Fifth.

INDICATOR: The LEDs blink together twice after the power-up sequence Fifth or Octave

DEFAULT STATE - ON|OFF FOOTSWITCH

When the pedal is powered, it can either start in the OFF state (only dry) or the ON state (with a delay). Typically you want it to start ON when connected to a switcher.

ACTION: Hold down the ON|OFF footswitch during the entire LED power-up sequence to select between ON or OFF.

INDICATOR: AP Div. LED blinks twice after the power-up sequence OFF or ON

DOUBLER LATCH - TAP|DBL FOOTSWITCH

The Doubler can operate in either MOMENTARY (only while its footswitch is held down) or LATCHING (toggled on and off when its footswitch is held down).

ACTION: Hold down the TAP|DBL footswitch during the entire LED power-up sequence to select bewteen latching or momentary.

INDICATOR: TAP Div. LED blinks twice after the power-up sequence Latching or Momentary

TRY OUR SETTINGS

CLASSIC TAPE DELAY

SLAPBACK ECHO

HARMONIC DELAY

HARMONIC SHIMMER

REVERSE SAMPLING

BACK AND FORTH

WARRANTY

All Diamond product(s) purchased through the diamondpedals.com website or an authorized Diamond retailer comes with a three (3) year warranty against failure resulting from defective parts, and/or faulty workmanship. Cosmetic flaws or issues related to wear and tear are not covered.

The warranty applies only to the original purchaser of the product and is not transferable. Warranty coverage terminates three years after the date of purchase. While a product is under warranty, the product will be repaired free of charge. The owner of the product will be responsbile for both shipping to and from Diamond Pedals HQ located in Montreal, Quebec, Canada. Warranty coverage will be automatically canceled should the product be tampered with, modified, damaged through misuse and/or abuse, repaired by an unauthorized third-party, or damaged through failure to follow our operating instructions.

USE OF AN IMPROPER POWER SUPPLY AUTOMATICALLY VOIDS THE WARRANTY.

SPECIFICATIONS

Input Impedance:	> 1 MΩ
Output Impedance:	< 10 KΩ
Switchting:	Buffered Bypass
Power Requirement:	$9V_{DC}$ negative tip, 2.1mm Barrel Jack
Current Draw @ 9V:	45mA
Dimensions:	4.8″ x 2.64″ x 1.58″
Weight:	300g

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CONNECT WITH US

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