

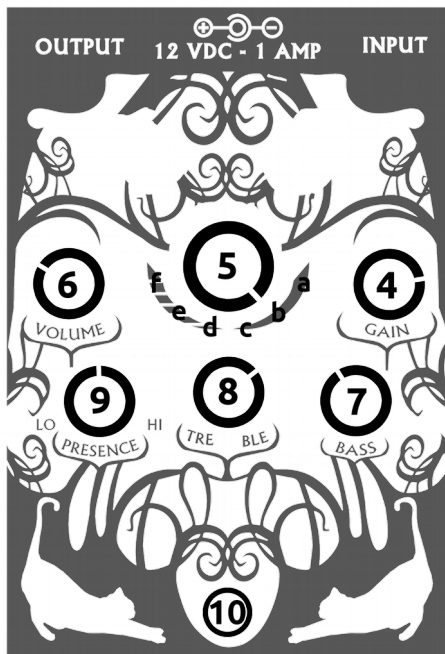


Cat'O'Dyne User Manual

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OUTPUT

12 VDC - 1 AMP

INPUT

6

VOLUME

5

f e d c b a

4

GAIN

9

LO PRESENCE HI

8

TRE BLE

7

BASS

10

1. Power Supply Input

12 volts DC - 1 Ampere - Center Positive – 2,1 mm plug. Please use only the supplied powersupply as damage can result should you connect the wrong powersupply! Please allow a minute for tubes to warm up when power is connected.

2. Instrument Input – 6,3mm Jack

Input z – 1 Mohm minimum

3. Signal Output – 6,3mm Jack

Output z – 25 kOhm maximum

4. Gain

Thats right, plenty gain/boost/drive available!

5. Mode switch

6 position rotary switch, controls low frequency gain and drive plus the eq frequency of the treble knob. The new treble eq position boosts more high-mids as well as the trebles.

A: Maximum Low frequency drive – Old style treble Eq

B: Medium Low frequency drive – Old style treble Eq

C: Less Low frequency drive – Old style treble Eq

D: Less Low frequency drive – New style treble Eq

E: Medium Low frequency drive – New style treble Eq

F: Maximum Low frequency drive – New style treble Eq

6. Output Volume

The Cat'O'Dyne has ample output signal, this is to enable it to directly drive poweramp inputs and effect returns. Be careful when driving other pedals or normal amp inputs!

7. Bass Cut / Boost

Passive James/Baxandall tone control, center position gives flat response. Beware, plenty gain and bass can give blocking distortion and not-so-nice sounds, be reasonable... Or just go for it!

8. Treble Cut / Boost

Passive James/Baxandall tone control, center position is flat response. Frequency selectable with the "mode" switch.

9. Presence Lo – Hi

Subtle(!!) addition of around 900Hz (lo) or 1900Hz (hi) frequencies in the output stage. Center position is off / no boost. Amount of overdrive will affect the response of this control.

10. Bypass Footswitch

Pedal ON is indicated by the red LED. Bypass is true relay-switched. In the event of sudden loss of power to the pedal, clean unaffected signal will still pass through.

How it works...

Well, apart from what the knobs do individually, it's a good idea to understand the signalflow in the pedal as well:

Input → Tube gainstage → "Mode" low frequency control → Gain Control → Tube gainstage → Bass/Treble EQ → Catodyne tube gain & phase inverter (Output is taken from here) → Negative feedback back into catodyne section → Presence Control

The sound of this pedal is heavily based on a couple of classic British tube amps. Like in those amps, how these different stages work together, their quirks and sometimes ugly character will all contribute to the overall sound. Have fun exploring!

Changing tubes

If you are into rolling tubes for changing sound, this is easy to do in the Cat'O'Dyne. First **unplug the power**, unscrew the tube guard (2 screws) and gently pull out the tube you want to change. When inserting new tube, be sure to align pins correctly to socket before gently pushing it in place. They fit only one way.

The Cat'O'Dyne utilizes 2x ECC83 (12AX7) dual triodes. The left one takes care of the signature catodyne PI overdrive sound, while the one on the right does the initial 2 stages of gain and drive.



Attention!

High Voltages are present inside this pedal. NEVER open it while power is connected. No user servicable parts inside. Really. Get in touch with Iskrem Electro regarding service or warranty claims.



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