

Ghost Effects Lunar Incantation PCB Guide.

Thank you for buying a Ghost Effects Lunar Incantation PCB, the circuit is a version of the Mosrite Fuzzrite circuit with the addition of the 'Tone' control from the Rosac Nu-Fuzz.

This Project should be undertaken by someone with some experience of soldering to a PCB and general effects pedal construction and troubleshooting, I cannot be held responsible for injury or damage through use of this PCB.

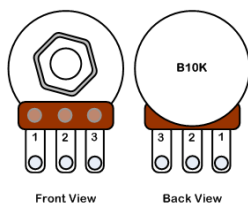
I'm happy to answer general questions, but cannot guarantee that I will be able to help out if you get everything wired up and the circuit doesn't work, but I will try my best.

If you have any questions and would like to get in touch my email is info@ghosteffects.co.uk



Potentiometers

See below for the numbering scheme for all pots in this project.



Component List

All component numbers match up with the numbers on the PCB.

Resistors - 1/4 watt carbon or metal film are fine. If you want to use carbon composition be aware that this may make the circuit a little more noisy.

R1 680k

R2 470k

R3 1.2m

R4 680k

R5 56k

R6 150k

RLED 1k

Capacitors

C1 0.047uf

C2 0.1uf

C3 0.47uf

C4 1000pf

C5 2200pf

Pots

Tone = 470k

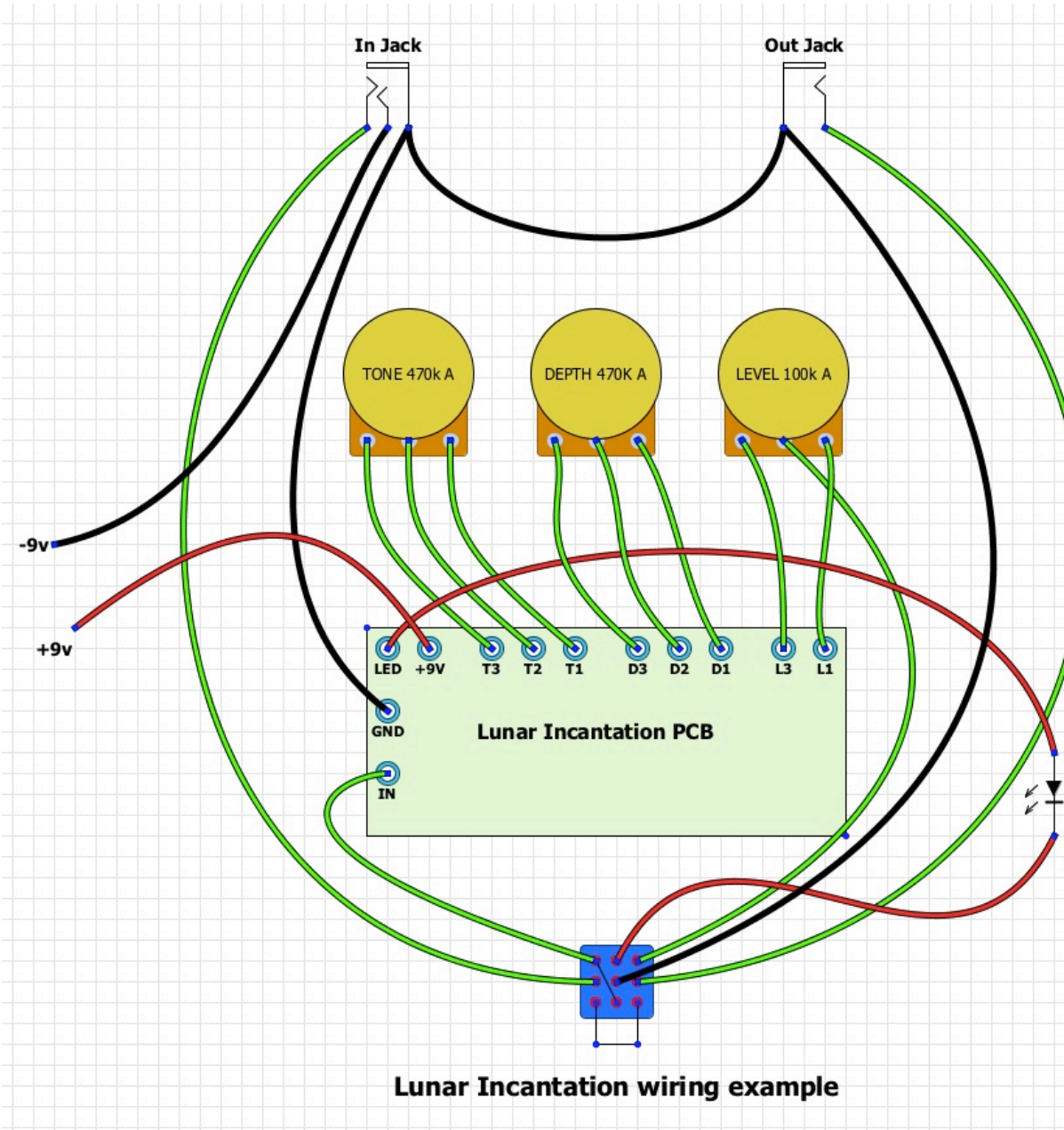
Depth = 470k

Level = 100k

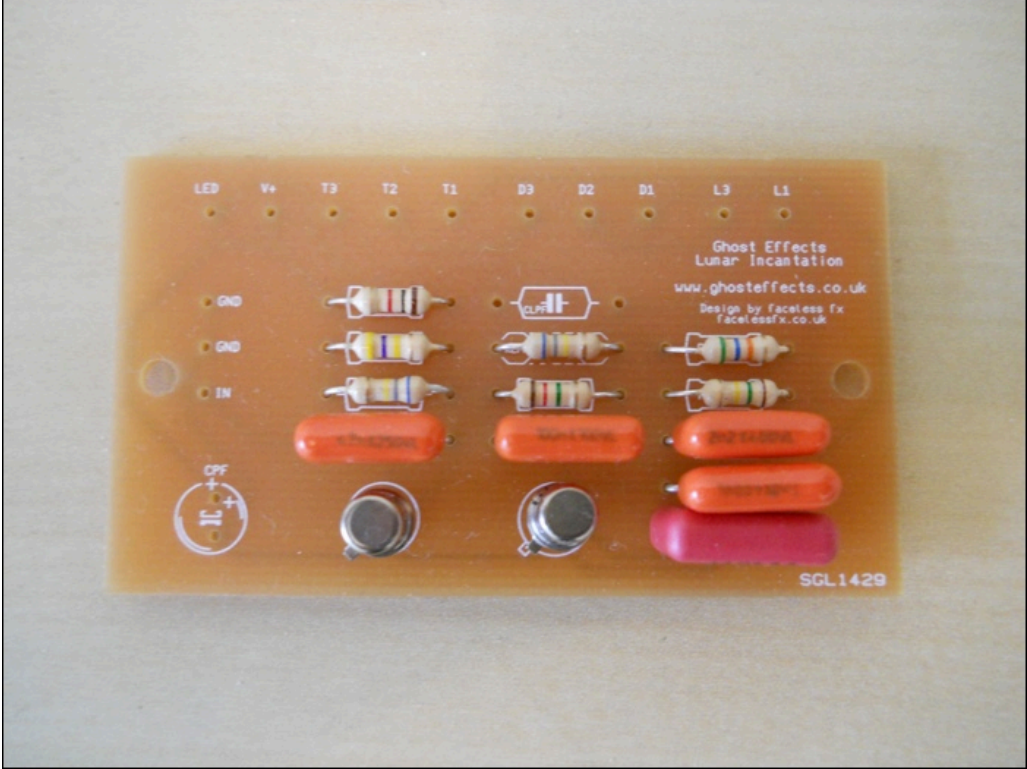
Q1 + Q2 = BC108 npn (any common npn transistor will work)

In terms of gains I aim for the 150-300 hfe range for each one, Q2 being the highest gain.

Here is a wiring diagram for the Lunar Incantation (Just an example, there are other ways to do the switch etc, but this way definitely works if you are unsure).



Here is an example of what a board could look like built up. Note that CLPF and CPF are not used, and RLPF is not used in conjunction with R4; These parts are for building the Germanium Fuzzrite on this board and for the addition of optional power filtering. R4 lays flat connected to the furthest 2 holes for the Lunar Incantation.



See below for an example of a finished pedal.



Capacitors

C1 0.047uf
C2 0.047uf
C3 Not used
C4 2200pf
C5 2200pf

Pots

Depth = 500k/470k
Level = 50k/47k

IMPORTANT - You will need to solder a wire Jumper from T1 to T2 instead of connecting a Tone pot.

Q1 + Q2 = Any common npn silicon transistor will work.

Mosrite Germanium Fuzzrite

It is possible to build a stock Germanium Fuzzrite on the Lunar Incantation board by changing some components.

Component List

All component numbers match up with the numbers on the PCB.

Note that CLPF is used, and RLPF is used in conjunction with R4 so you have 2 resistors standing instead of 1 laid flat.

IMPORTANT - The Ge version uses PNP transistors so will be positive ground. Wire the black lead on the battery snap to V+ on the board, with the red lead going to ground.

Resistors

R1 10M
R2 22k
R3 1M
R4 47k (standing)
R5 Not used
R6 22k
RLPF 100k (standing)
RLED 1k

Capacitors

C1 0.047uf
C2 0.047uf
C3 Not used
C4 2200pf

