

White Hybrid

Heavy British-style gains
with plenty of top end



Before you dig in, ensure you download and read the **General Build Guide**.

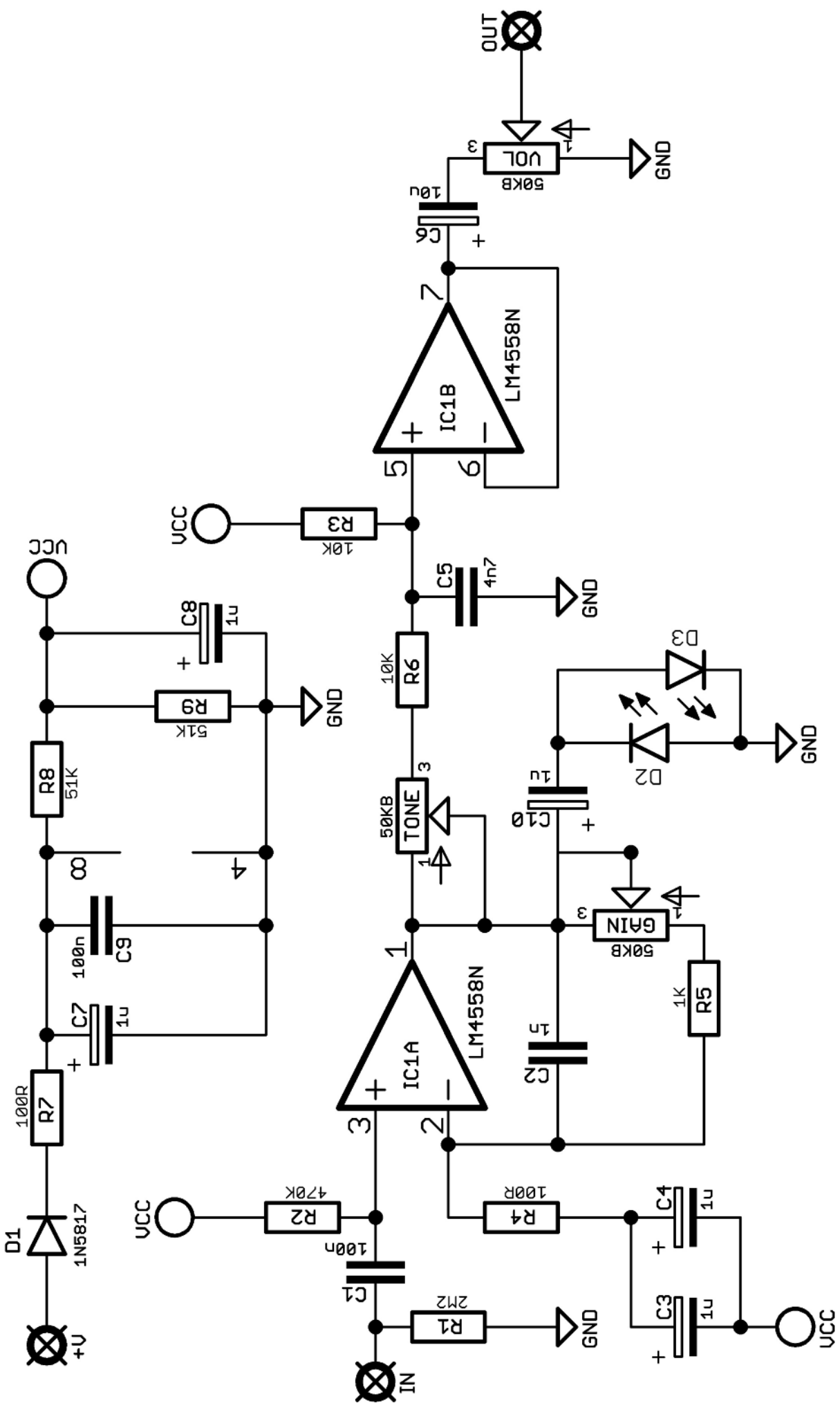
It contains all the information you need for a successful outcome.



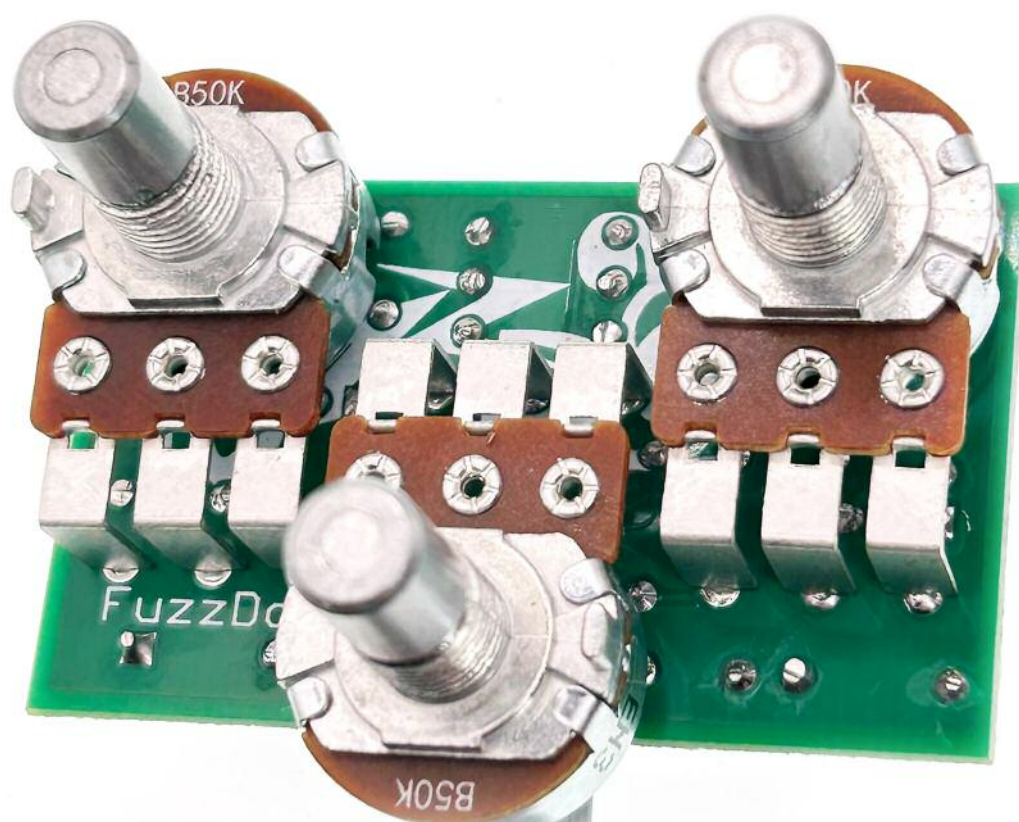
The circuit diagram shows a 555 timer (IC1A) configured as an astable multivibrator. The timing network consists of resistors R1, R2, R3, R4, R5, R6, R7, R8, R9, R10 and capacitors C1, C2, C3, C4, C5, C6, C7, C8, C9. The output of the timer (pin 1) is connected to a tone generator block (TONE). The output of the tone generator (pin 3) is connected to a second 555 timer (IC1B) configured as a monostable multivibrator. The output of the second timer (pin 7) is connected to a voltage divider (VOL) and a final output stage (OUT). The circuit is powered by a UCC supply and grounded (GND).

Ref	Value	Part	Notes
R1	10k	Resistor	
R2	10k	Resistor	
R3	10k	Resistor	
R4	10k	Resistor	
R5	10k	Resistor	
R6	10k	Resistor	
R7	10k	Resistor	
R8	10k	Resistor	
R9	10k	Resistor	
R10	10k	Resistor	
C1	100nF	Capacitor	
C2	100nF	Capacitor	
C3	100nF	Capacitor	
C4	100nF	Capacitor	
C5	100nF	Capacitor	
C6	100nF	Capacitor	
C7	100nF	Capacitor	
C8	100nF	Capacitor	
C9	100nF	Capacitor	
D1	1N4148	Diode	
D2	1N4148	Diode	
D3	1N4148	Diode	
D4	1N4148	Diode	
D5	1N4148	Diode	
D6	1N4148	Diode	
D7	1N4148	Diode	
D8	1N4148	Diode	
D9	1N4148	Diode	
D10	1N4148	Diode	
D11	1N4148	Diode	
D12	1N4148	Diode	
D13	1N4148	Diode	
D14	1N4148	Diode	
D15	1N4148	Diode	
D16	1N4148	Diode	
D17	1N4148	Diode	
D18	1N4148	Diode	
D19	1N4148	Diode	
D20	1N4148	Diode	
D21	1N4148	Diode	
D22	1N4148	Diode	
D23	1N4148	Diode	
D24	1N4148	Diode	
D25	1N4148	Diode	
D26	1N4148	Diode	
D27	1N4148	Diode	
D28	1N4148	Diode	
D29	1N4148	Diode	
D30	1N4148	Diode	
D31	1N4148	Diode	
D32	1N4148	Diode	
D33	1N4148	Diode	
D34	1N4148	Diode	
D35	1N4148	Diode	
D36	1N4148	Diode	
D37	1N4148	Diode	
D38	1N4148	Diode	
D39	1N4148	Diode	
D40	1N4148	Diode	
D41	1N4148	Diode	
D42	1N4148	Diode	
D43	1N4148	Diode	
D44	1N4148	Diode	
D45	1N4148	Diode	
D46	1N4148	Diode	
D47	1N4148	Diode	
D48	1N4148	Diode	
D49	1N4148	Diode	
D50	1N4148	Diode	
D51	1N4148	Diode	
D52	1N4148	Diode	
D53	1N4148	Diode	
D54	1N4148	Diode	
D55	1N4148	Diode	
D56	1N4148	Diode	
D57	1N4148	Diode	
D58	1N4148	Diode	
D59	1N4148	Diode	
D60	1N4148	Diode	
D61	1N4148	Diode	
D62	1N4148	Diode	
D63	1N4148	Diode	
D64	1N4148	Diode	
D65	1N4148	Diode	
D66	1N4148	Diode	
D67	1N4148	Diode	
D68	1N4148	Diode	
D69	1N4148	Diode	
D70	1N4148	Diode	
D71	1N4148	Diode	
D72	1N4148	Diode	
D73	1N4148	Diode	
D74	1N4148	Diode	
D75	1N4148	Diode	
D76	1N4148	Diode	
D77	1N4148	Diode	
D78	1N4148	Diode	

R1	2M2	C1	100n	D1	1N5817
R2	470K	C2	1n	D2-3	5mm Red LED
R3	10K	C3	1u elec		
R4	100R	C4	1u elec	IC1	4558
R5	1K	C5	4n7		
R6	10K	C6	10u elec	GAIN	50KB
R7	100R	C7	1u elec	TONE	50KB
R8	51K	C8	1u elec	VAL	50KB
R9	51K	C9	100n		
		C10	1u elec		



Once they're in place you'll have no access to much of the board.



Drilling template

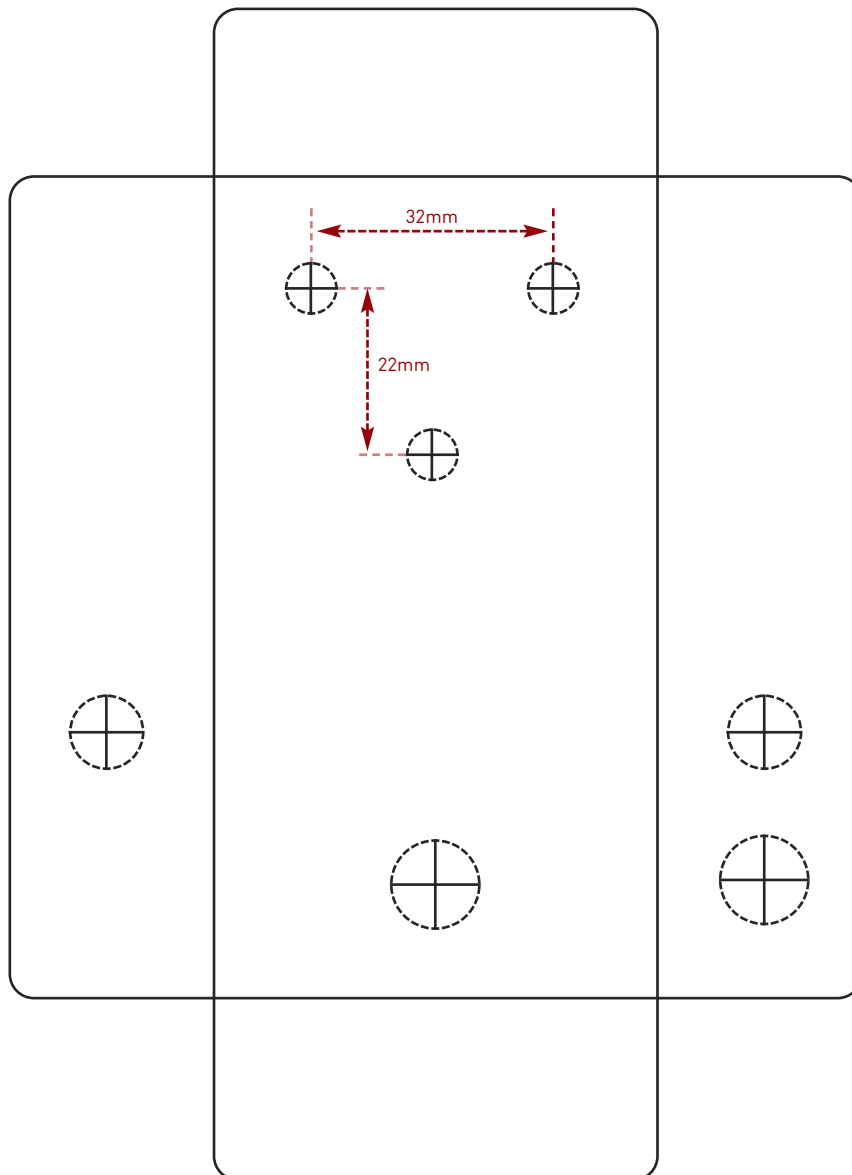
Hammond 1590B - 60 x 111 x 31mm

Drill sizes listed are minimum.

It's a good idea to add 1mm to anything mounted on the PCB that'll poke through the front of the enclosure.

Drill sizes:

Pots	7mm
Jacks	10mm
Footswitch	12mm
DC Socket	12mm
Toggle switches	6mm
Rotary switches	10mm



This template is a rough guide only. You should ensure correct marking of your enclosure before drilling. You use this template at your own risk.

Pedal Parts Ltd can accept no responsibility for incorrect drilling of enclosures.

FuzzDog.co.uk