

Configuration sheet for OmniWah v1.1, v1.2 and v2.1 page 1/2

Part	Thomas	Grey	v847	Color	Shin	Jen	JenV	BG-1	BG-2	EG-1	Axis	Clyde	Full
C1	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	-	-	-	-	-	-	-	-	-	-	-	-	-
C4	jump	jump	jump	jump	5n	jump	10n	4n7	4n7	47n	jump	10n	10n
C5	-	-	-	-	-	-	-	-	-	-	-	-	-
C6	10n	10n	10n	10n	jump	10n	jump	jump	jump	jump	10n	jump	jump
C7	3u9	4u7	4u7	10u	10u	4u7	-	6u	-	6u	4u7	4u	4u7
C8	220n	220n	220n	220n	200n	220n	220n	1u	1u	1u	220n	220n	220n
C9	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	220n	220n	220n	220n	200n	220n	220n	1u	1u	1u	220n	220n	220n
C11	-	-	-	-	-	-	4u7	-	6u	-	-	-	-
C12	-	-	-	-	-	-	220n	-	100n	-	-	-	-
C13****	10n	10n	10n	10n	30n	10n	10n	10n	10n	10n	10n	10n	10n
C14***	-	-	-	-	-	-	-	-	-	-	50n	-	-
C15***	-	-	-	-	-	-	-	-	-	-	1u	-	-
C16	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	-	-	-	-	-	-	-	-	-	-
D1	-	-	-	-	-	-	-	-	-	-	-	-	-
J1	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump
J2	-	-	-	-	-	-	-	-	jump	-	-	-	-
L1	500mH	250mH	500mH	550mH	500mH	500mH	500mH	500mH	500mH	500mH	500mH	500mH	500mH
P1	-	-	-	-	-	-	-	-	-	-	-	-	-
P1r	68k	68k	68k	100k	30k	68k	68k	47k	68k	48k	47k	68k	39k
P2	-	-	-	-	-	-	-	-	-	-	-	-	B2K
P2r	470R	470R	510R	jump	470R	470R	470R	120R	120R	120R	330R	470R	470R
P3	Jump 1-3	-	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3
P4*	B100k	B100k	B100k	B100k	B50k	B100k	B100k	B25k	B25k	B25k	I100k	A100k	B100k
P5	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2
P6***	-	-	-	-	-	-	-	-	-	-	B100k	-	-
Q1	-	-	-	-	-	-	-	-	-	-	-	-	-
Q2**	5517	BC150	MPSA18	BC184	2SC828	BC109C	FBC318C	BC109C	NJD2873	P2356	BC109C	BC109B	2SC828
Q3**	2N2925	BC150	MPSA18	BC167B	2SC828	BC109C	FBC318C	BC109C	NJD2873	P2356	BC109C	BC109B	2SC828
Q4***	-	-	-	-	-	-	-	-	-	-	2N5457	-	-
R1	-	-	-	-	-	-	-	-	-	-	1M	-	1M
R2	-	-	-	-	-	-	-	-	-	-	-	-	-
R3	-	-	-	-	-	-	-	-	-	-	-	-	-
R4	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump
R5	-	-	-	-	-	-	-	-	-	-	-	-	-
R6	1k5	1k5	1k5	1k6	1k2	1k5	1k5	1k2	1k	4k7	2k2	1k5	1k5
R7	22k	22k	22k	22k	22k	22k	22k	10k	10k	10k	22k	22k	22k
R8	470k	470k	470k	470k	470k	470k	470k	-	-	-	470k	470k	470k
R9	470k	470k	470k	470k	470k	470k	470k	1M5	1M5	1M5	470k	470k	470k
R10	82k	82k	100k	-	-	100k	100k	-	-	-	100k	100k	100k
R11	33k	-	33k	100k	100k	100k	33k	47k	47k	47k	47k	100k	33k
R12	-	-	-	-	-	-	220k	-	10k	-	-	-	-
R13	-	-	-	-	-	-	-	620k	820k	620k	-	-	-
R14	-	-	-	-	-	-	4k7	-	5k6	-	-	-	-
R15	1k	1k	1k	jump	1k2	1k	1k	jump	jump	jump	1k	1k	10k
R16	10k	10k	10k	10k	10k	10k	10k	8k2	8k2	8k2	10k	10k	10k
R17	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump
R18***	-	-	-	-	-	-	-	-	-	-	1M	-	-
R19***	-	-	-	-	-	-	-	-	-	-	4k7	-	-
R20	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	100R
R21	-	-	-	-	-	-	220k	-	-	-	-	-	-
R22	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump
R23	-	-	-	-	-	-	-	-	-	-	-	-	-
SW1A	-	-	-	-	-	-	-	-	SPDT	-	-	-	-
SW1B	-	-	-	-	-	-	-	DPDT	-	-	-	-	-
SW2***	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	DPDT	jump 2-5	jump 2-5

- 1 **Thomas** Thomas Organ Crybaby
- 2 **Grey** Vox Grey
- 3 **v847** Vox v847
- 4 **Color** Colorsound Inductor
- 5 **Shin** Shinei
- 6 **Jen** Italian Jen Wah Clyde Mccoy
- 7 **JenV** Jen MrCrybaby Wah Volume
- 8 **BG-1** Maestro Boomerang BG-1
- 9 **BG-2** Maestro Boomerang BG-2
- 10 **EG-1** Maestro Boomerang EG-1
- 11 **Axis** Fuzzcentral Axis Wah
- 12 **Clyde** Vox Clyde McCoy
- 13 **Full** Fulltone Clyde
- 14 **DA** Dallas Arbiter Wah Face (wah only)
- 15 **Foxx** Foxx Fuzz Wah Octave (wah only)
- 16 **EH** Electro Harmonix Fuzz Wah (wah only)
- 17 **Rock** Rocktron Tri-Wah
- 18 **JH-1** Dunlop JH-1 Hendrix Crybaby
- 19 **ZW-45** Dunlop ZW-45 Wylde Crybaby
- 20 **DB-1** Dunlop DB-1 Dimebag Crybaby
- 21 **JC-95** Dunlop JC-95 Jerry Cantrell Crybaby
- 22 **Ben** BBE Ben Wah
- 23 **GCB** Dunlop GCB-95
- 24 **GCBB** Dunlop GCB-100 Bass
- 25 **Omni** OmniWah (modified GBC-95)

Manufacturers and product names are mentioned solely for circuit identification, and where applicable their trademarks are the property of their respective owners who are in no way associated or affiliated with the author. No cooperation or endorsement is implied.

DC1 is a PCB mountable DC jack center negative!



Conn IN and Conn OUT are PCB mountable stereo input jacks



* Wah pot tapers are not always Linear. ICAR 100K pots are always good! A=audio Taper, B=Linear Taper, C= Reverse Log Taper, I=ICAR
 ** Can be replaced with any 200-400Hfe NPN transistor. Extra Emitter (E) pad added for BCE transistors (eg. 2SC828)
 *** Parts exclusively for outputbuffer
 **** Some boards have an offboard selectable sweep (see building instructions).

Configuration sheet for OmniWah v1.1, v1.2 and v2.1 page 1/2

Part	DA	Foxx	EH	Rock	JH-1	ZW-45	DB-1	JC-95	Ben	GCB	GCBB	Omni
C1	-	-	-	10n	10n	10n	10n	10n	47n	10n	10n	10n
C2	-	-	-	22p	22p	22p	22p	22p	100p	22p	22p	22p
C3	-	-	-	100n	100n	100n	100n	100n	100n	100n	100n	100n
C4	3n9	10n	2n2	jump	jump	jump	jump	jump	jump	jump	jump	jump
C5	-	-	-	22u	100u	100u	100u	100u	220u	220u	220u	100u
C6	jump	jump	jump	10n	10n	10n	10n	10n	100n	10n	10n	10n
C7	4u7	10u	10u	4u7	4u7	4u7	3u9	3u9	4u7	4u7	4u7	3u9
C8	220n	220n	220n	220n	220n	220n	220n	220n	220n	220n	220n	220n
C9	-	-	-	-	22n	-	-	-	-	-	-	-
C10	220n	220n	220n	220n	220n	220n	220n	220n	220n	220n	220n	220n
C11	-	-	-	-	-	-	-	-	-	-	-	-
C12	-	-	-	-	-	-	-	-	-	-	-	-
C13****	3n9	offboard	offboard	10n	10n	22n	10n	12n	10n	10n	68n	offboard
C14***	-	-	-	-	-	-	-	-	-	-	-	47n
C15***	-	-	-	-	-	-	-	-	-	-	-	1u
C16	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	100n	-	-	-	-	-	-	-	-
D1	-	-	-	1N4004	ZL9M3	-	-	-	1N4007	ZL9M3	ZL9M3	ZL9M3
J1	jump	jump	jump	-	-	-	-	-	-	-	-	-
J2	-	-	-	-	-	-	-	-	-	-	-	-
L1	500mH	500mH	500mH	600mH	500mH	500mH	535mH	500mH	600mH	500mH	500mH	500mH
P1	-	-	-	-	-	-	-	-	-	-	-	B100k
P1r	68k	68k	68k	68k	68k	68k	68k	68k	68k	68k	68k	-
P2	-	-	-	-	-	-	-	-	-	-	-	B1k
P2r	470R	220R	470R	390R	390R	390R	470R	390R	390R	390R	390R	-
P3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	Jump 1-3	B50k	Jump 1-3	Jump 2-3	B100k
P4*	A100k	A100k	A100k	B100k	B470k	B100k	B100k	B100k	I100K	I100k	I100k	I100k
P5	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	jump 1-2	B5k	B5k	jump 1-2	jump 1-2	jump 1-2	B10k
P6***	-	-	-	-	-	-	-	-	-	-	-	B100k
Q1	-	-	-	BC550	MPSA13	MPSA13	MPSA13	MPSA13	BC548	MPSA18	MPSA13	MPSA13
Q2**	BC170B	2N3565	2N3565	BC550	MPSA18	MPSA18	MPSA18	MPSA18	BC548	MPSA18	MPSA18	MPSA18
Q3**	BC170B	2N3565	2N3565	BC550	MPSA18	MPSA18	MPSA18	MPSA18	BC548	MPSA18	MPSA18	MPSA18
Q4***	-	-	-	-	-	-	-	-	-	-	-	2N5457
R1	-	-	-	5M6	-	-	-	-	5M6	-	-	1M
R2	-	-	-	2M2	2M2	2M2	2M2	2M2	330k	2M2	2M2	2M2
R3	-	-	-	1M8	1M8	1M8	1M8	1M8	220k	1M8	1M8	1M8
R4	jump	jump	jump	1k	1k	1k	1k	1k	1k	1k	1k	1k
R5	-	-	-	10k	10k	10k	10k	10k	10k	10k	10k	10k
R6	1k5	1k5	1k5	1k5	1k5	1k5	1k5	1k5	1k5	1k5	1k5	1k5
R7	22k	22k	22k	22k	22k	22k	22k	22k	22k	22k	22k	22k
R8	470k	470k	470k	470k	470k	470k	470k	470k	470k	470k	470k	470k
R9	470k	470k	470k	270k	470k	470k	470k	470k	470k	470k	470k	470k
R10	100k	100k	100k	100k	82k	82k	82k	82k	100k	82k	82k	82k
R11	33k	100k	100k	68k	82k	33k	33k	33k	10k	33k	33k	10k
R12	-	-	-	-	-	-	-	-	-	-	-	-
R13	-	-	-	-	-	-	-	-	-	-	-	-
R14	-	-	-	-	-	-	-	-	-	-	-	-
R15	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k	1k
R16	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k	5k1
R17	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump
R18***	-	-	-	-	-	-	-	-	-	-	-	1M
R19***	-	-	-	-	-	-	-	-	-	-	-	4k7
R20	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump	jump
R21	-	-	-	-	-	-	-	-	-	-	-	-
R22	jump	jump	jump	jump	jump	jump	jump	jump	1k	jump	jump	jump
R23	-	-	-	56k	-	-	-	-	-	-	-	-
SW1A	-	-	-	-	-	-	-	-	-	-	-	-
SW1B	-	-	-	-	-	-	-	-	-	-	-	-
SW2***	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	jump 2-5	DPDT

- 1 **Thomas** Thomas Organ Crybaby
- 2 **Grey** Vox Grey
- 3 **v847** Vox v847
- 4 **Color** Colorsound Inductor
- 5 **Shin** Shinei
- 6 **Jen** Italian Jen Wah Clyde Mccoy
- 7 **JenV** Jen MrCrybaby Wah Volume
- 8 **BG-1** Maestro Boomerang BG-1
- 9 **BG-2** Maestro Boomerang BG-2
- 10 **EG-1** Maestro Boomerang EG-1
- 11 **Axis** Fuzzcentral Axis Wah
- 12 **Clyde** Vox Clyde McCoy
- 13 **Full** Fulltone Clyde
- 14 **DA** Dallas Arbiter Wah Face (wah only)
- 15 **Foxx** Foxx Fuzz Wah Octave (wah only)
- 16 **EH** Electro Harmonix Fuzz Wah (wah only)
- 17 **Rock** Rocktron Tri-Wah
- 18 **JH-1** Dunlop JH-1 Hendrix Crybaby
- 19 **ZW-45** Dunlop ZW-45 Wylde Crybaby
- 20 **DB-1** Dunlop DB-1 Dimebag Crybaby
- 21 **JC-95** Dunlop JC-95 Jerry Cantrell Crybaby
- 22 **Ben** BBE Ben Wah
- 23 **GCB** Dunlop GCB-95
- 24 **GCBB** Dunlop GCB-100 Bass
- 25 **Omni** OmniWah (modified GBC-95)

Manufacturers and product names are mentioned solely for circuit identification, and where applicable their trademarks are the property of their respective owners who are in no way associated or affiliated with the author. No cooperation or endorsement is implied.

DC1 is a PCB mountable DC jack center negative!



Conn IN and Conn OUT are PCB mountable stereo input jacks



* Wah pot tapers are not always Linear. ICAR 100K pots are always good! A=audio Taper, B=Linear Taper, C= Reverse Log Taper, I=ICAR
 ** Can be replaced with any 200-400Hfe NPN transistor. Extra Emitter (E) pad added for BCE transistors (eg. 2SC828)
 *** Parts exclusively for outputbuffer
 **** Some boards have an offboard selectable sweep (see building instructions).