MOTOROLA MC68000 24-BIT SILICON OPERA • COMPLETE RELEASE COMPANION

M68K: FREE THE SOFTWARE

35 Red Book Audio Masters (148:22) • Six Musical & Visual Eras • Dedicated in Memory of Mircea Kitsune

01 // PROLOGUE: THE $A130F1 HARDWARE PROTECTION LATCH

In classic Motorola 68000 cartridge hardware, address **$A130F1** governs the banked SRAM write-protection latch—a single control register standing between read-only silicon confinement and open, user-writable memory. ***M68K: Free the Software*** takes that hardware boundary as its dramatic axis: a 35-track, 148-minute rock, metal, and hip-hop cycle tracing the transformation of proprietary machine code into shared human craft.

02 // COLD WAR ENGINEERING SCHEMATIC NOTES (COVER GEOMETRY)

A. CONFORMAL MÖBIUS IMPEDANCE LOCUS (SMITH CHART PROJECTION)

The orthogonal grid inside the cover astrolabe maps the complex impedance right half-plane $z = r + jx$ into the unit reflection disk $|\Gamma| \leq 1$ via the bilinear Möbius transformation, preserving strict 90° intersections across every constant-resistance circle and constant-reactance arc:

$$\Gamma = (z - 1) / (z + 1) \quad | \quad \text{Resistance Circle: center } (r/(r+1), 0), \text{ radius } 1/(r+1) \quad | \quad \text{Reactance Arc: center } (1, 1/x), \text{ radius } 1/|x|$$

B. TWO-POINT SWAN-TYPE REFRACTIVE SHOCK LENS & LOGARITHMIC PHASE SPIRAL

Symmetric detonation foci at $\pm 0.54\ R$ emit diverging spherical shock rays that refract across a fast/slow explosive lens boundary (velocity ratio $n = D_{fast} / D_{slow} = 1.62$) according to Snell's hydrodynamic refraction law, converting diverging waves into planar converging fronts aimed onto the central **MC68000** 24-bit bus alongside the logarithmic phase spiral $r(\theta) = r_0 \cdot e^{(-k\theta)}$:

$$\sin(\theta_1) / D_{fast} = \sin(\theta_2) / D_{slow} \quad | \quad \text{Cartesian Oval Lens Contour: } \rho(\varphi) = [d_0 \cdot (n - 1)] / (n - \cos \varphi)$$

03 // THREE-EDITION PHYSICAL RELEASE MATRIX

Release Edition	Format & Jewel Case	Tracks	Runtime	Drafting Paper Palette
Abridged Single-Disc Edition	1× Red Book CD-R (10.4 mm Standard Case)	18 Tracks	**79:35**	Warm 1983 Vellum Parchment
Alternate & Companion Disc	1× Red Book CD-R (10.4 mm Standard Case)	20 Tracks	**78:09**	Cool Celadon Engineering Vellum
Complete 3-CD Box Set	3× Red Book CD-R (24 mm Multi-CD Fatbox)	35 Tracks	**148:22**	Slate-Steel & Grumman Cobalt Blueprint

04 // THE SIX SONIC & VISUAL ERAS

ERA I **BLUE STREETS & THE $A130F1 UNLOCK GATE** Tracks 01–08

Opens at the hardware protection boundary ($A130F1) with the spoken/symphonic manifesto 'Unlock the Gate', transitions through 'Free the Source' (and its M-Style synth-funk variant), and erupts into four West Coast boom-bap takes of 'ASM For Free'—framing 68000 machine code as street-level public property.

ERA II **CRIMSON IRON MAIDEN / JUDAS PRIEST GALLOP & 70s PARCHMENT** Tracks 09–15

Twin-guitar NWOBHM gallops ('Free the Software'), piercing high-tenor sirens ('Hell Patrol for Freedom'), a 1970s progressive-rock parchment arrangement, and West Coast G-funk ('AX-6 Tupac Style') recount the 1983 hacker-hall origins of copyleft.

ERA III **ENLIGHTENMENT PRINCE & NEOCLASSICAL MARBLE (YNGWIE ERA)** Tracks 16–19

Harmonic-minor sweep arpeggios, Baroque counterpoint, and fluted-column grandeur ('M68K Under Blood Red Skies' and 'Copyleft Dawn') celebrate open mathematical craft as classical Enlightenment architecture.

ERA IV **GREEN-ACID DETHKLOK FURNACE & VAULT BREACH** Tracks 20–26

Crushing melodic death-metal riffs ('DISASSEMBLE') strip proprietary binaries down to raw opcodes, followed by 'Break the Vault', the 'Crimson Mix', and high-velocity 'Hell Patrol for Copyleft' (Nu-Metal & DragonForce mixes).

ERA V **PURPLE POP PRECISION & THE SILENCE TRIBUTE** Tracks 27–29

Razor-sharp 1980s funk-pop choreography ('Smooth Disassembler') gives way to Track 29 ('Silence' — 00:05), a deliberate moment of stillness dedicated in memory of longtime free-software contributor Mircea Kitsune.

ERA VI **GOLDEN DIO OUBLIETTE & 24-BIT APOCALYPSE DAWN** Tracks 30–35

Operatic heavy metal ('When Born in the Dark' and 'Remember the Fire 1983') rises out of the shadow oubliette into the two-part 1986 synth-metal finale 'M68K Dawn (The Software Is Free)', closing on a solitary clean-guitar arpeggio.

#01 **Unlock the Gate (Opening Manifesto)** Abridged #01 • Box D1 #01 02:56
Symphonic-metal overture introducing the $A130F1 SRAM latch unlock sequence and the core thesis: executable code belongs to the people who run it.

#02 **Free the Source** Alt #01 • Box D1 #02 02:19
Driving rhythm-guitar anthem translating disassembly and clean-room reverse engineering into a rallying cry.

#03 **Free the Source (M-Style)** Alt #02 • Box D1 #03 02:22
Sleek synth-bass and crisp snare reworking of Track 02 with nocturnal 1980s electro-rock phrasing.

#04 **Unlock the Gate (Alt)** Alt #03 • Box D1 #04 02:51
Alternate arrangement featuring tighter intro percussion and elevated lead-synth countermelodies.

#05 **ASM For Free (Take 1)** Alt #04 • Box D1 #05 03:00
First studio pass of the West Coast hip-hop manifesto laying out 68000 registers (D0–D7, A0–A7) over heavy 808 drums.

#06 **ASM For Free (Take 2 - Ice Cube Style)** Abridged #02 • Box D1 #06 03:00
Hard-hitting G-funk beat with authoritative vocal cadence selected for the Abridged Single-Disc Edition.

#07 **ASM For Free (Take 3)** Alt #05 • Box D1 #07 03:00
Alternate vocal inflection and stripped-back bassline groove emphasizing the rhythmic cadence of assembly mnemonics.

#08 **ASM For Free (Main)** Alt #06 • Box D1 #08 02:59
Full-band master mix balancing analog synth leads, scratch accents, and low-end punch.

#09 **Free the Software (Iron Maiden Style)** Abridged #03 • Box D1 #09 05:00
Galloping triplet basslines and harmonized twin-lead guitars chronicling the war against locked ROM cartridges.

#10 **Free the Software (Iron Maiden Style - Alt)** Alt #07 • Box D1 #10 05:09
Extended instrumental bridge with dual-harmony solo variations and brighter cymbal air.

#11 **Hell Patrol for Freedom (Judas Priest Style)** Alt #08 • Box D1 #11 05:56
Full-length speed-metal assault with slow-burn synth-guitar intro and soaring scream-laden chorus.

#12 **Hell Patrol for Freedom (Judas Priest Style - Alt)** Abridged #04 • Box D1 #12 05:22
Tighter, high-impact cut launching rapidly into the main riff and explosive double-outro shout.

#13 **Free the Software (1970s Fantasy Parchment Edition)** Abridged #05 • Box D1 #13 06:24
Warm analog organ, mellotron textures, and progressive time signatures evoking early-70s fantasy concept albums.

#14 **Free the Software (AX-6 Tupac Style)** Alt #09 • Box D1 #14 03:00
Passionate West Coast hip-hop delivery pairing piano motifs with uncompromising copyleft philosophy.

#15 **Free the Software (AX-6 Tupac Style - Alt)** Abridged #06 • Box D1 #15 02:50
Concise, punchy alternate take chosen for its tight vocal pocket on the Abridged Single-Disc Edition.

#16 **M68K Under Blood Red Skies** Abridged #07 • Box D1 #16 04:13
Dramatic minor-key metal anthem depicting silicon dies glowing beneath crimson skies.

#17 **M68K Under Blood Red Skies (Alt)** Alt #10 • Box D1 #17 04:19
Alternate mix foregrounding orchestral brass pads and sustained high-register guitar bends.

#18 **Copyleft Dawn (Yngwie Malmsteen Style)** Abridged #08 • Box D1 #18 04:38
Bright, blistering neoclassical shred showcase with Phrygian-dominant runs and Baroque harpsichord flourishes.

#19 **Copyleft Dawn (Yngwie Malmsteen Style - Alt)** Alt #11 • Box D1 #19 **04:09**
Compact alternate take featuring darker rhythm-guitar voicing and rapid diminished arpeggios.

#20 **DISASSEMBLE (Dethklok Style)** Abridged #09 • Alt #12 • Box D2 #01 **04:40**
Brutal melodic death-metal centerpiece turning binary reverse engineering into a visceral green-acid furnace.

#21 **DISASSEMBLE (Dethklok Style - Alt)** Abridged #10 • Alt #13 • Box D2 #02 **04:37**
Relentless double-kick companion cut reinforcing the Act III industrial turning point.

#22 **Break the Vault (Iron Maiden / Parchment Edition)** Abridged #11 • Box D2 #03 **04:55**
Epic storytelling metal blending 1970s progressive warmth with galloping twin-guitar assaults on proprietary vaults.

#23 **Break the Vault (Iron Maiden / Parchment Edition - Alt)** Alt #14 • Box D2 #04 **04:20**
Streamlined alternate cut with punchier snare transients and focused mid-song guitar harmonies.

#24 **Blood Red Skies (Crimson Mix)** Abridged #12 • Box D2 #05 **04:58**
Widescreen atmospheric metal mix saturated in deep crimson synth pads and thunderous tom fills.

#25 **Hell Patrol for Copyleft (Nu-Metal Mix)** Alt #15 • Box D2 #06 **04:15**
Down-tuned syncopated groove-metal variant with aggressive rhythmic stabs.

#26 **Hell Patrol for Copyleft (DragonForce Mix)** Abridged #13 • Box D2 #07 **04:33**
Hyper-speed European power-metal fireworks with arcade-inspired lead runs and sky-high vocals.

#27 **Smooth Disassembler (Michael Jackson Style)** Alt #16 • Box D2 #08 **04:25**
Crisp 1980s funk-pop bassline, brass hits, and precision dance-floor groove celebrating clean disassembly.

#28 **Smooth Disassembler (Michael Jackson Style - Alt)** Abridged #14 • Box D2 #09 **04:19**
Tighter, punchier pop-funk arrangement selected for the Abridged Single-Disc Edition.

#29 **Silence (Interlude)** Abridged #15 • Alt #17 • Box D2 #10 **00:05**
Five seconds of pure Red Book digital silence honoring the memory of free-software contributor Mircea Kitsune.

#30 **When Born in the Dark (Dio Style) [Bonus]** Abridged #16 • Box D3 #01 **05:10**
Heavy, doom-tinged operatic metal rising from the shadow oubliette toward the light of open knowledge.

#31 **When Born in the Dark (Dio Style - Alt) [Bonus]** Alt #18 • Box D3 #02 **04:55**
Alternate vocal take with darker organ undertones and a tightly focused guitar solo.

#32 **Remember the Fire 1983 (Dio Style) [Bonus]** Alt #19 • Box D3 #03 **06:59**
Slow-building epic metal ballad honoring the 1983 birth of the free-software movement.

#33 **Remember the Fire 1983 (Dio Style - Alt) [Bonus]** Abridged #17 • Box D3 #04 **07:22**
Expansive 7-minute director's take with extended soaring vocal coda.

#34 **M68K Dawn (The Software Is Free) [Part I] [Bonus]** Alt #20 • Box D3 #05 **04:49**
Upbeat 1986 synth-metal overture heralding the arrival of 24-bit dawn across the silicon horizon.

#35 **M68K Dawn (The Software Is Free) [Bonus]** Abridged #18 • Box D3 #06 **04:31**
The definitive album finale—driving straight into the gallop before fading on a solitary clean-guitar arpeggio.

IN MEMORIAM & PUBLIC DOMAIN DEDICATION (CC0 1.0)

Dedicated in memory of Mircea Kitsune, longtime free-software contributor, modder, and builder of open worlds. Track 29 (*Silence*) stands as a quiet marker at the heart of the album before the final ascent into *M68K Dawn (The Software Is Free)*. All 35 audio masters, Red Book CUE sheets, schematics, and print booklets are released under **CC0 1.0 Universal (Public Domain)**—free to copy, remix, disassemble, burn, and share forever.

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M68K: FREE THE SOFTWARE

ABRIDGED SINGLE-DISC EDITION • 18 TRACKS • 79:35 • RED BOOK AUDIO CD

01	Unlock the Gate (Opening Manifesto)	
02	ASM For Free (Take 2 - Ice Cube Style)	
03	Free the Software (Iron Maiden Style)	
04	Hell Patrol for Freedom (Judas Priest Alt)	
05	Free the Software (70s Parchment Ed.)	
06	Free the Software (AX-6 Tupac Style - Alt)	
07	M68K Under Blood Red Skies	
08	Copyleft Dawn (Yngwie Malmsteen Style)	
09	DISASSEMBLE (Dethklok Style)	
10	DISASSEMBLE (Dethklok Style - Alt)	
11	Break the Vault (Maiden / Parchment)	
12	Blood Red Skies (Crimson Mix)	
13	Hell Patrol for Copyleft (DragonForce)	04:33
14	Smooth Disassembler (MJ Style - Alt)	04:58
15	Silence (Interlude — Mircea Tribute)	00:55
16	When Born in the Dark (Dio Style)	05:04
17	Remember the Fire 1983 (Dio Style - Alt)	07:55
18	M68K Dawn (The Software Is Free)	04:37

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M68K: FREE THE SOFTWARE

ALTERNATE & COMPANION DISC • 20 TRACKS • 78:09 • RED BOOK AUDIO CD

01	Free the Source	
02	Free the Source (M-Style)	
03	Unlock the Gate (Alt)	
04	ASM For Free (Take 1)	
05	ASM For Free (Take 3)	
06	ASM For Free (Main)	
07	Free the Software (Iron Maiden - Alt)	
08	Hell Patrol for Freedom (Judas Priest)	
09	Free the Software (AX-6 Tupac Style)	
10	M68K Under Blood Red Skies (Alt)	
11	Copyleft Dawn (Yngwie Style - Alt)	
12	DISASSEMBLE (Dethklok Style)	
13	DISASSEMBLE (Dethklok Style - Alt)	
14	Break the Vault (Maiden / Parchment Alt)	
15	Hell Patrol for Copyleft (Nu-Metal Mix)	04:20
16	Smooth Disassembler (MJ Style)	04:25
17	Silence (Interlude — Mircea Tribute)	00
18	When Born in the Dark (Dio Style - Alt)	04
19	Remember the Fire 1983 (Dio Style)	06
20	M68K Dawn (The Software Is Free) [Pt I]	04

04:2004:3704:4004:0904:1903:0005:5605:0902:5903:0003:0002:5102:2202:19

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M68K: FREE THE SOFTWARE

COMPLETE 3-CD BOX SET • 35 TRACKS • 148:22 • 3× RED BOOK CD

D1 01	Unlock the Gate (Opening Manifesto)	
D1 02–04	Free the Source (×2) & Unlock (Alt)	
D1 05–08	ASM For Free (All 4 Studio Takes)	
D1 09–10	Free the Software (Iron Maiden ×2)	
D1 11–12	Hell Patrol for Freedom (Priest ×2)	
D1 13	Free the Software (70s Parchment Ed.)	
D1 14–15	Free the Software (AX-6 Tupac ×2)	
D1 16–17	M68K Under Blood Red Skies (×2)	
D1 18–19	Copyleft Dawn (Yngwie Style ×2)	
D2 01–02	DISASSEMBLE (Dethklok Style ×2)	
D2 03–04	Break the Vault (Parchment Ed. ×2)	
D2 05	Blood Red Skies (Crimson Mix)	
D2 06–07	Hell Patrol (Nu-Metal & DragonForce)	08:48
D2 08–09	Smooth Disassembler (MJ Style ×2)	08
D2 10	Silence (Interlude — Mircea Tribute)	00
D3 01–02	When Born in the Dark (Dio ×2) [Bonus]	10
D3 03–04	Remember the Fire 1983 (Dio ×2) [Bonus]	14
D3 05–06	M68K Dawn (The Software Is Free ×2)	09

04:5809:1509:1708:4708:3205:5006:2411:1810:0911:5907:3202:56

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