HAD TO

CHAPTER #14 FROM
GUERRILLA GARDENING
BY THE BAND CALLED OH

SIGNAL CHAIN
Technical document regarding the recording and mixing of Had To

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Vocals
Recorded at Westerdahls, Oslo.
Engineered by Gergely Vikar

Main Vocal

1. Instrument
Vocals by Frode Larsen

2. Microphone / Preamp
AKG C414 XL II - SSL VHD PRE

3. Mix plugins
Waves Audio WavesTune
Waves Audio Vocal Rider
Waves Audio Q10
Waves Audio C6-SideChain
Slate Digital Virtual Mix Rack
Eiosis Eiosis E2Deesser
Waves Audio C1 comp-sc
SoundToys EffectRack
Slate Digital Virtual Tape Machines
Waves Audio Doubler2
SoundToys MicroShift
Waves Audio C1 gate
SoundToys EffectRack
Waves Audio Q10
Waves Audio Kramer Tape
Backing Vokals
Recorded at Håkon’s studio, Oslo.
Engineered by Håkon Pettersen

1. Instrument
Vocals by Rikke Normann

2. Microphone / Preamp
AKG 214 / RME UFX

3. Mix plugins
Waves Audio WavesTune
Waves Audio C6-SideChain
Slate Digital Virtual Mix Rack
Avid Time Adjuster
Waves Audio C1 comp-sc
SoundToys FilterFreak2
Slate Digital Virtual Tape Machines
Waves Audio H-EQ
Drums
Recorded in Kysten Studio, Tromsø.
Engineered by Håkon Pettersen

Kick

1. Instrument
Tama Imperialstar 22"x14" kick drum

2. Microphone / Preamp
Shure Beta91 (mono) - SSL AWS900+
AEA R88 (stereo) - SSL AWS900+

3. Outboard
Empirical Labs Distressor

4. Mix plugins
Steven Slate Trigger 2
Slate Digital Virtual Mix Rack
Waves Audio RBass
Avid EQ3 1-Band
Waves Audio C1 gate
AIR Music Technology DB-33
Softube Saturation Knob
Snares

1. Instrument
Pearl 14”x5,5” Ian Paice Signature snare drum

2. Microphone / Preamp
Shure SM57 (mono) over snare - SSL AWS900+
Neumann KM184 (mono) under snare - SSL AWS900+

3. Outboard
Universal Audio 1176

4. Mix plugins
Tokyo Dawn Labs TDR Kotelnikov
Slate Digital Virtual Mix Rack
Steven Slate Trigger 2
Waves Audio REQ 6
Avid DownMixer
SoundToys Sie-Q
Avid Maxim
Massey Plugins Inc. TapeHead
Flux:: BitterSweet v3
1. Instrument
Tama Superstar 14”x7,5” Birch Snare

2. Microphone / Preamp
Shure SM57 (mono) over snare - SSL AWS900+
Neumann KM184 (mono) under snare - SSL AWS900+

4. Mix plugins
Tokyo Dawn Labs TDR Kotelnikov
Slate Digital Virtual Mix Rack
Steven Slate Trigger 2
Waves Audio REQ 6
Avid DownMixer
SoundToys Sie-Q
Avid Maxim
Massey Plugins Inc. TapeHead
Flux:: BitterSweet v3
1. **Instrument**
Yamaha Maple Custom 12”x10” tom

2. **Microphone / Preamp**
Sennheiser MD421 (mono) - SSL AWS900+

4. **Mix plugins**
Steven Slate Trigger 2
1. **Instrument**
Yamaha Maple Custom 14”x14” tom

2. **Microphone / Preamp**
Sennheiser MD421 (mono) - SSL AWS900+
Neumann KM184 (mono) under tom - SSL AWS900+

4. **Mix plugins**
Steven Slate Trigger 2
1. Instrument
Premier Cabria 18”x16”

2. Microphone / Preamp
Sennheiser MD421 (mono) - SSL AWS900+
Neumann KM184 (mono) under tom - SSL AWS900+

4. Mix plugins
Steven Slate Trigger 2
Cymbals

1. Instrument
Istanbul Mehmet Origin Dark 24”
Meinl Sand Hats 14”
Sabian Sick Hats 18” (tambourine on top)
Zildjian Oriental Crash of Doom 18”
Zildjian Oriental Spiral Trash 18”
Sabian Manhattan Jazz 20” with Zildjian Spiral Trash 16” and tambourine on top

2. Microphone / Preamp
Shoeps CMC 5 (overhead stereo) - SSL AWS900+
Coles 4038 (front stereo) - Demeter VTMP2
SM Pro Audio MC04 (room corner mono) - SSL AWS900+
AKG 414 (Hat) - SSL AWS900+

3. Outboard
Neve 33609J Compressor

4. Mix plugins
Overheads:
Waves Audio H-EQ
Plugin Alliance bx_digital V2

Front stereo:
Avid EQ3 7-Band
Slate Digital Virtual Mix Rack
Waves Audio C6-SideChain
Plugin Alliance bx_digital V2

Hat:
Waves Audio C1 comp
Waves Audio MV2
Softube Saturation Knob
Waves Audio H-EQ
Waves Audio Aphex Vintage Exciter
SoundToys PhaseMistress
Electric Bass
Recorded in Kysten Studio, Tromsø.
Engineered by Håkon Pettersen

1. Instrument
Fender Am. Std. Precision Bass

2. Effects
Keeley Bassist Limiting Amplifier, Moog MF Drive

3. Amplifier
Ampeg SVT AV 4x10

4. DI
Ampeg SVT AV tube direct out

5. Microphone / Preamp
Electro-Voice RE20 / SSL AWS 900+

6. Outboard
Tubetech MEC 1A (DI)
SSL XR618 (Mic)

7. Mix plugins
Avid DownMixer
Waves Audio C1 gate
Waves Audio CLA-76
Waves Audio Q-Clone
Scuffham S-Gear
Avid EQ3 1-Band
Slate Digital Virtual Tape Machines
Waves Audio Bass Rider
SoundToys Radiator
Slate Digital Virtual Mix Rack
Waves Audio LinEQ Lowband
SoundToys Decapitator
Waves Audio Aphex Vintage Exciter
Waves Audio Q10
Guitar
Recorded in Kysten Studio, Tromsø.
Engineered by Håkon Pettersen

1. Instrument
Fender Stratocaster Custom Shop, 1969 relic

2. Effects
Dunlop Cry Baby, Boss TU-2, Xotic sp compressor, Xotic RC Booster, Xotic AC booster, Ibanez TS808 Keeley mod, Fulltone Octafuzz, Electro Harmonics POG 2, Boss DD3, Strymon Timeline.

3. Amplifier
Fender Twin Reverb

4. Microphone / Preamp
AKG C414 (near) / API 521
Royer R-121 (room) / API 521

5. Outboard
1175
API550B

6. Mix plugins
Avid EQ3 7-Band
SoundToys Radiator
Waves Audio VComp
Waves Audio Q10
Waves Audio DeEsser
Massey Plugins Inc. TapeHead
Slate Digital Virtual Mix Rack
Plugin Alliance elysia niveau filter
Slate Digital Virtual Tape Machines
Flux::: BitterSweet v3
Waves Audio CLA-76
Tokyo Dawn Labs TDR Nova
Keyboard and Synthesizers
Recorded in Kysten Studio, Tromsø.
Engineered by Håkon Pettersen

Keyboards

1. Instrument
Rhodes MK I Stage Piano 73 (1974)

2. Effects
Keeley bassist limiting amplifier, Moog Moogerfooger
Cluster Flux, Guyatone Vintage Tremolo, Eventide
Timefactor

3. Amplifier
Fender 65 Deluxe Reverb Reissue

4. Microphone / Preamp
Neumann M147 (Near)- API 512C
Royer R-121 (room)- API 512C

6. Compressor
Empirical Labs Distressor

7. Mix plugins
Waves Audio X-Noise
SoundToys Radiator
Waves Audio VComp
Waves Audio PuigTec MEQ5
Waves Audio Q10
Waves Audio H-EQ
SoundToys Tremolator
SoundToys EffectRack
Avid EQ3 1-Band
Slate Digital Virtual Tape Machines
1. **Instrument**
   DSI Mopho x4

2. **Patch**
   "Attackord"

3. **Effects**
   Sound Toys Echo Boy - Space Echo

4. **Preamp**
   SSL AWS 900+

5. **Mix plugins**
   SoundToys PrimalTap
   Plugin Alliance bx_digital V2
   Waves Audio Center
MixBus and effects

**Bus**
Plugin Alliance bx_digital V2
Waves Audio C6-SideChain
Slate Digital VBC Rack
Slate Digital Virtual Tape Machines

**Effects**
Slate Digital VerbSuite Classics
Avid Studio Reverb
Softube Saturation Knob
SoundToys EchoBoy Jr
Waves Audio TrueVerb
Avid Black Spring
Waves Audio TrueVerb
SoundToys EchoBoy
Mix and Master

Mix by Håkon Pettersen Using Pro Tools 12

Master by Chris Sansom at Propeller Mastering
Appendix

Synth Patches

DSI Mopho X4 - "Attackord"

Download patch