Technical document regarding the recording and mixing of Row

Index:

Vocals 3
Drums 4
  Kick 4
  Snares 5
  Toms 7
  Cymbals 10
Electric Bass 11
Guitar 12
Keyboard and Grand Piano 13
  Keyboards 13
  Grand Piano 14
Strings 15
  1st Violin 15
  2nd Violin 16
  Viola 17
  Violoncello 18
  Double Bass 19
MixBus and effects 20
Mix and Master 21
Vocals
Recorded at Westerdahls, Oslo.
Engineered by Gergely Vikar

1. Instrument
Vocals by Frode Larsen

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

3. Mix plugins
iZotope, Inc. iZotope Vinyl
SoundToys EffectRack
SoundToys Little AlterBoy
Slate Digital Virtual Mix Rack
SoundToys EchoBoy
Slate Digital Virtual Tape Machines
Waves Audio Vocal Rider
Waves Audio Q10
Waves Audio C6-SideChain
Slate Digital Virtual Mix Rack
Eiosis Eiosis E2Deesser
Waves Audio C1 comp-sc
Waves Audio C1 gate
Waves Audio Kramer Tape
Waves Audio Doubler2
SoundToys MicroShift
AIR Music Technology AIR Lo-Fi
SoundToys Devil-Loc Deluxe
Waves Audio NLS Channel
Waves Audio C1 gate
Avid EQ3 1-Band
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
SoundToys Devil-Loc Deluxe
Waves Audio Q10
Slate Digital Virtual Tape Machines
Slate Digital Virtual Mix Rack
Avid EQ3 7-Band
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
Waves Audio H-EQ
Slate Digital Virtual Tape Machines
Steven Slate Trigger 2
Avid EQ3 7-Band
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
Waves Audio H-EQ
Slate Digital Virtual Tape Machines
Steven Slate Trigger 2
Avid EQ3 7-Band
1. Instrument
Yamaha Maple Custom 12”x10” tom

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

4. Mix plugins
Avid EQ3 7-Band
Steven Slate Trigger 2
Slate Digital Virtual Tape Machines
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**
Avid EQ3 7-Band
Steven Slate Trigger 2
Slate Digital Virtual Tape Machines
1. Instrument
Premier Cabria 18"x16"

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

4. Mix plugins
Avid EQ3 7-Band
Steven Slate Trigger 2
Slate Digital Virtual Tape Machines
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+

3. Outboard
Neve 33609J Compressor

4. Mix plugins
Overheads:
Avid EQ3 7-Band
SoundToys EffectRack
Slate Digital Virtual Tape Machines

Front stereo:
Avid EQ3 7-Band
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
Waves Audio Bass Rider
Waves Audio X-Noise
Waves Audio C6-SideChain
Waves Audio Q10
Slate Digital Virtual Mix Rack
Waves Audio C1 gate
Waves Audio X-Hum
Avid EQ3 7-Band
SoundToys EffectRack
Avid Time Adjuster
Slate Digital Virtual Tape Machines
Guitar
Recorded in Kysten Studio, Tromsø.
Engineered by Håkon Pettersen

1. Instrument
Fender Stratocaster Custom Shop, 1969 relic

2. Effects
No effects

3. Line
DI

4. Preamp
API 521

5. Outboard
Universal Audio 1176LN
API 550B

6. Mix plugins
SoundToys Decapitator
Waves Audio PuigTec EQP1A
Plugin Alliance elysia niveau filter
Waves Audio Q10
AIR Music Technology AIR Stereo Width
Keyboard and Grand Piano
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 LinEQ Broadband
Waves Audio X-Noise
Waves Audio X-Hum
SoundToys EffectRack
Slate Digital Virtual Mix Rack
Slate Digital Virtual Tape Machines
Avid EQ3 7-Band
Waves Audio InPhase
Grand Piano

Recorded in Studio Faust Records, Prague.  
Engineered by Håkon Pettersen

1. Instrument
Kawai Grand Piano (unknown model)

2. Microphone / Preamp
CMC5 (AB Near) / API 512C
KM184 (AB Room) / Demeter VTMP2
Shure SM57 (Mono body) / SSL AWS 900+

3. Mix plugins
Waves Audio MV2
Waves Audio LinEQ Lowband
SoundToys PrimalTap
SoundToys MicroShift
SoundToys EffectRack
Waves Audio Q10
SoundToys PanMan
AIR Music Technology AIR Chorus
Slate Digital Virtual Tape Machines
Avid DownMixer
Avid EQ3 7-Band
Avid BF-76
Strings
Recorded at Store Studio, Bodø.
Engineered by Aksel Bakke
Mixed by Håkon Pettersen

1st Violin

1. Musician
Oganes Girunyan

2. Instrument
Unknown

3. Microphone / Preamp
1. Neuman KM184 (close) / Milenia Media Quad HV3
2. DPA 4006 (room, stereo) / API 3124

4. Mix plugins
"See MixBus and effects"
2nd Violin

1. **Musician**
   Øyvind Mehus

2. **Instrument**
   J.P Thibout (1838)

3. **Microphone / Preamp**
   1. Neuman KM184 (close) / Milenia Media Quad HV3
   2. DPA 4006 (room, stereo) / API 3124

4. **Mix plugins**
   "See MixBus and effects"
Viola

1. Musician
Jose Martinez

2. Instrument
Bruno Dreux

3. Bow
Schmidt

4. Microphone / Preamp
1. Neuman KM184 (close) / Milenia Media Quad HV3
2. DPA 4006 (room, stereo) / API 3124

5. Mix plugins
"See MixBus and effects"
Violoncello

1. Musician
Bernt Simen Lund

2. Instrument
Peter Wamsley (1744)

3. Bow
Malcolm Taylor

4. Microphone / Preamp
1. Neuman U87 FET (close) / Milenia Media Quad HV3
2. DPA 4006 (room, stereo) / API 3124

5. Mix plugins
"See MixBus and effects"
Double Bass

1. **Musician**
   Will Robbins

2. **Instrument**
   Jaques Gagnon (2007)

3. **Microphone / Preamp**
   1. Neuman U87 FET (close) / API 3124
   2. DPA 4006 (room, stereo) / API 3124

4. **Mix plugins**
   "See MixBus and effects"
MixBus and effects

**Bus**
Waves Audio LinMB
Plugin Alliance bx_digital V2
Waves Audio C6-SideChain
Slate Digital VBC Rack
SoundToys EffectRack
SoundToys FilterFreak2

**Orchestra**
Waves Audio LinMB
Waves Audio Q10
Slate Digital Virtual Mix Rack
Plugin Alliance bx_digital V2
AIR Music Technology AIR Stereo Width
SoundToys EffectRack
Avid EQ3 1-Band

**Effects**
Waves Audio RVerb
SoundToys EffectRack
Slate Digital VerbSuite Classics
Waves Audio MannyM Reverb
Avid D-Verb
Avid SansAmp PSA-1
SoundToys EchoBoy
Waves Audio RVerb
Waves Audio TrueVerb
Mix and Master

Mix by Håkon Pettersen Using Pro Tools 12

Master by Chris Sansom at Propeller Mastering