

FIREWORKS VOL 02

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File Format:

Broadcast Wave Format (WAV): Bit Depth: **24bit**, Sample Rate: **192kHz**



Folders and Files

Folder	Files	Size	Content
1_Individual_Trimmed	1199	5.2 GB	Original individual recordings edited by trimming, cropping, and fading tails. No other processing.
2_Individual_Limited	1199	4.9 GB	Explosive recordings limited with thresholds ranging between -15dB and -30dB with gain compensation for loudness. Rocket launches and whistles are not limited but instead normalized due to their loudness.
3_Individual_Combined_Limited	374	1.8 GB	Airbomb and rocket launch recordings (volume reduced by around -15dB) combined with respective firework (limited) explosion.
4_Individual_Mixed_Limited	60	379 MB	Individual explosion recordings from all different microphones mixed into a single sound effect.
5_Individual_Deep	178	1.2 GB	Selection of individual rocket and airbomb explosions down pitched by 7 semitones ("Deep"), and 12 semitones ("VeryDeep") to simulate larger firework.
6_Fireworks_Real	7	367 MB	Recordings of fireworks being set off at midnight during New Year's Eve in a Swedish suburb.
7_Fireworks_Simulated	159	3.2 GB	Simulated firework segments using the individual recordings.

Equipment Used

Recorders

- Sound Devices 788T (SD788T) (4 channels)
- Sound Devices 633 + Sound Devices 442 (SD633 + SD442) (6 Channels)

Microphones

- 2 x Sennheiser MKH 8040 (ORTF Stereo, 25 meters, SD788T)
- Schoeps CCM41 + CCM8 (Mid/Side Stereo, 25 meters, SD788T)
- Sanken CO-100K (Mono, 40 meters, SD633)
- DPA 4061 (Stereo A/B, 16 meters, SD633)
- Rode NTG3 (Mono, 24 meters, SD633 via 442)
- Rode NT5 (Mono, 60 meters, SD633 via SD442)
- Rode NT5 (Mono, 90 meters, SD633 via SD442)

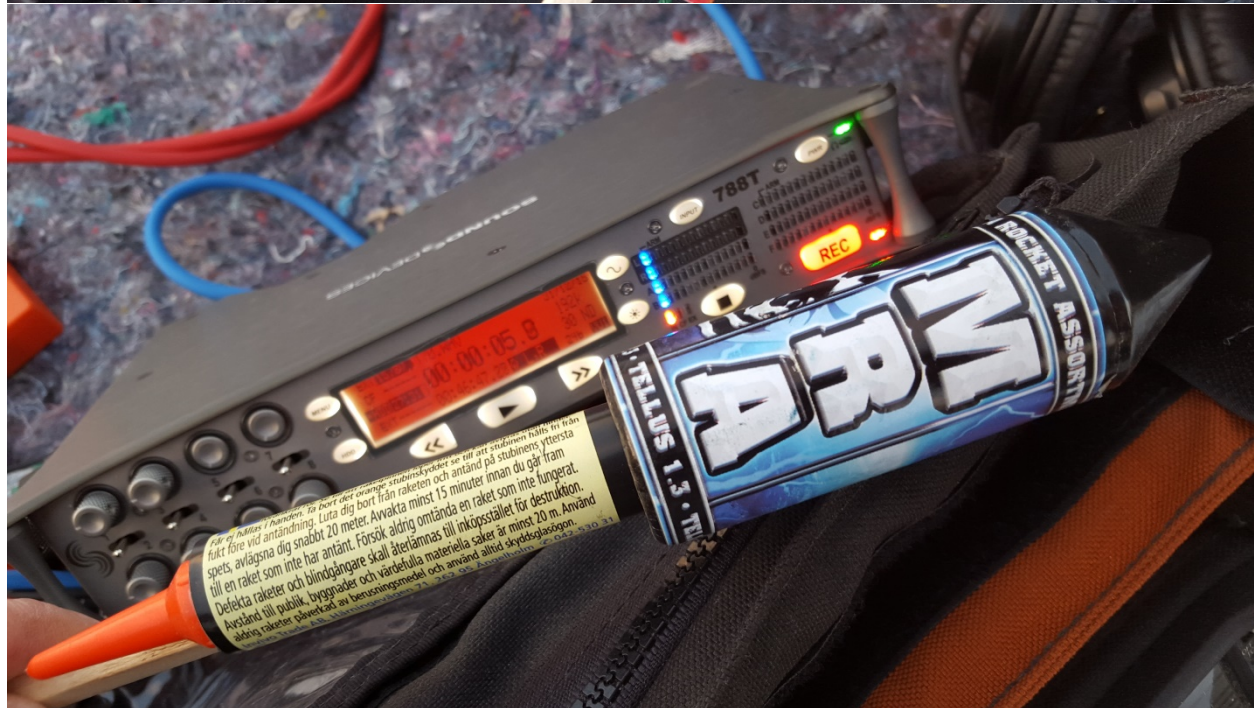
Microphone Positioning



Article Details and Photos

Rockets 01 – 18

- Brand: Svea Fireworks¹
- Assorted rockets
- Air Height: 24-50m



¹ **Note:** Svea Fireworks® is an importer and distributor of fireworks (www.sveafireworks.se)

Big Rocket

- Brand: Svea Fireworks
- Article: Lil' Bertha
- Black powder: 75g
- Air Height: Approx. 50m



Airbombs 01 – 13

- Brand: Svea Fireworks
- Article: .50 Supermonster
- Diameter: 50mm
- Air Height: 40m
- Weight: 440gr
- Black Powder: 234g





Shell 01

- Brand: Svea Fireworks
- Article: 4" Mine
- Air Height: 10-30m
- Length: 250mm
- Inner Diameter: 102mm



Cake 01

- Brand: Svea Fireworks
- Article: Raptor
- Dimensions (WDH): 180 x 180 x 176 mm, Inner diameter 30mm
- Bombs: 25
- Air height: Approx 30m
- Weight 3kg
- Back Powder 327g



Cake 02

- Brand: Svea Fireworks
- Article: Mega Bomb
- Dimensions (WDH): 165 x 165 x 210mm, Inner diameter 35mm
- Bombs: 8
- Air height: 30 - 40m
- Weight 2.1kg
- Back Powder 188g



Cake 03

- Brand: Svea Fireworks
- Article: Thor's Hammer
- Dimensions (WDH): 330 x 330 x 260mm, Inner diameter 30, 38, 45mm
- Bombs: 45
- Air height: 30 - 40m
- Back Powder 828g



Crackle 01

- Brand: Svea Fireworks
- Article: Crackling Whip



Crackle 02 – 07

- Brand: Svea Fireworks
- Article: Crackling Bees



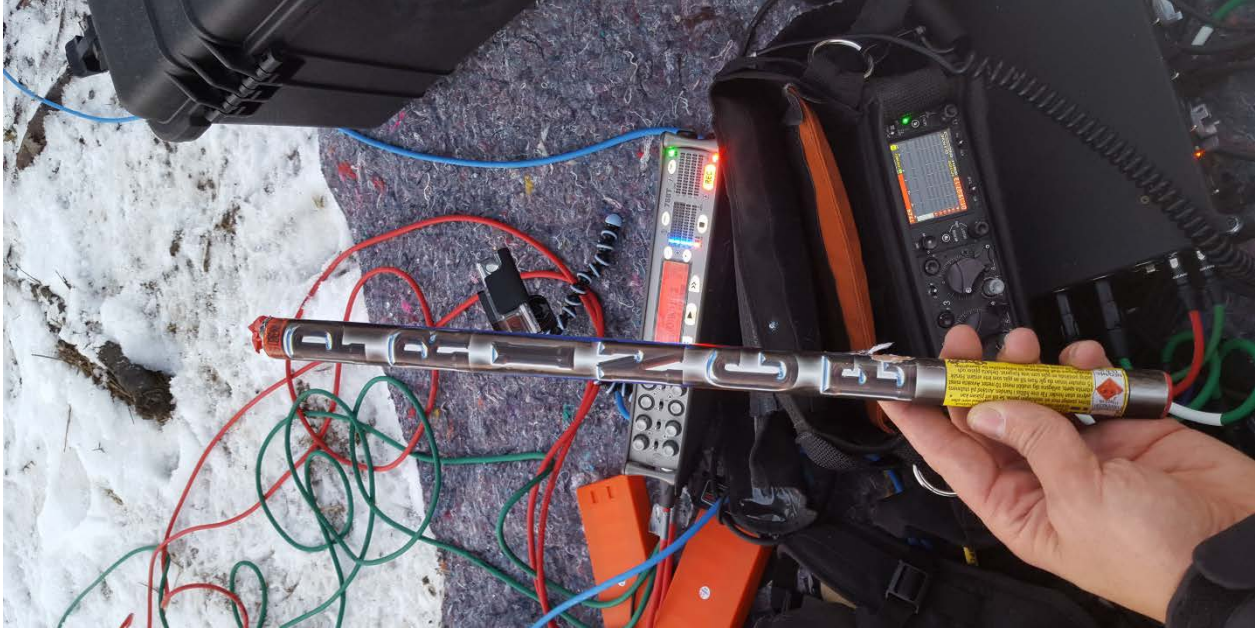
Crackle 08

- Brand: Svea Fireworks
- Article: Magic Whip



Roman Candle 01

- Brand: Svea Fireworks
- Article: Roman Candle
- Length: 420 mm
- Shots: 10
- Air height: 10m



Fountain 01

- Brand: Svea Fireworks
- Article: Golden Fountain
- Inner Diameter: 14-74mm
- Air height: Approx 3 meters
- Duration: Approx 40 sec

