General Recording Map:

**Project Number:** 01  
**Artist:** Sam A.  
**Producer:** Kyle M.  
**Engineer:** 99425  
**Assistant Engineer:** Webster T.  
**Song Title:** Toothbrush  
**Start Time:** 0:02

**General Notes:**

Drums – Kyle M.  
Percussion – Kyle M.  
Bass Guitar – Zach W  
Electric Guitar – Reid J.  
Acoustic Guitar – Reid J.
Tracking Sheet

Artist: Sam A.
Song Title: Toothbrush
Engineer: 99425
Assistant Engineers: Webster T.
Original Tracking Format: Digital/Pro Tools

Digital Audio Workstation (DAW) Information:

Daw Program: Avid Pro Tools 10
Host Computer: Mac
Daw Software Version: 10
SMPTE Rate: N/A
Sample Rate: 88.2 kHz
Bit Depth: 32 Bit
Sync Source: Sync I/O
Host Computer Operating System: OS X 10.9
Saved File Format: .ptx
A/D Conversion: Avid HD I/O
Hard Disk: Glyph

General Tracking Notes:

See Tracking Equipment Sheet.
## Tracking Equipment Sheet

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Instrument Notes</th>
<th>Mic</th>
<th>Aux Equipment</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kick In</td>
<td>Shure Beta 52</td>
<td>1176</td>
<td></td>
<td>Mic was placed 2/3 of the way into the kick port pointed away from kick beater 20º off-axis to the right. ~3-5 dB of compression with 1176.</td>
</tr>
<tr>
<td>Kick Sub</td>
<td>Yamaha Subkick</td>
<td></td>
<td></td>
<td>Sub kick was placed adjacent to the kick port 2 inches away from kick head on-axis.</td>
</tr>
<tr>
<td>Snare Top</td>
<td>Sennheiser 421</td>
<td>1176</td>
<td></td>
<td>Angled 35º down and off-axis from horizontal with the capsule 2 inches above the snare head</td>
</tr>
<tr>
<td>Snare Bottom</td>
<td>AKG 451 EB</td>
<td></td>
<td></td>
<td>Directly underneath snare with capsule on-axis and 5 inches away.</td>
</tr>
<tr>
<td>Hi Hat</td>
<td>AKG 451 EB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tom 1</td>
<td>AKG 414 EB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tom 2</td>
<td>AKG 414 EB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tom 3</td>
<td>AKG D12</td>
<td></td>
<td>DBX 166 left channel</td>
<td>Overhead mics were used in an ORTF configuration 4 feet above the uppermost cymbals and angled so that the snare and kick drum were directly lined up with the center, on-axis of the ORTF pattern.</td>
</tr>
<tr>
<td>Overhead Left</td>
<td>Neumann U87</td>
<td></td>
<td>DBX 166 right channel</td>
<td></td>
</tr>
<tr>
<td>Overhead Right</td>
<td>Neumann U87</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shaker</td>
<td>Studer SKM5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tambourine</td>
<td>Studer SKM5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bass DI</td>
<td>Countryman DI</td>
<td>LA2A</td>
<td></td>
<td>LA2A was used to compress the DI bass guitar signal with 3-5 dB of gain reduction.</td>
</tr>
<tr>
<td>Electric Guitar</td>
<td>Royer 121</td>
<td></td>
<td></td>
<td>Summed to 1 channel to disk. Both mics' capsules were touching so as to minimize phase anomalies. This mic group was then placed 6 inches away from amp head and angled towards the middle of the amp by 40º.</td>
</tr>
<tr>
<td>Acoustic Guitar</td>
<td>Royer 121</td>
<td></td>
<td></td>
<td>Summed to 1 channel to disk. Using the same techniques as the electric guitar micing, both acoustic mics were used as a group and placed 6 inches away from acoustic and 4 inches to the left of the sound hole angled in towards the sound hole by 25º.</td>
</tr>
<tr>
<td><strong>Electric Guitars:</strong> Gretsch G1520, G&amp;L Legacy</td>
<td>Royer 121</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Amp:</strong> Sandora's Box</td>
<td>Shure SM57</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Taylor 110GB</strong></td>
<td>Royer 121</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Neumann KM86</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Overdubs Sheet:

**Artist:** Sam A.  
**Song Title:** Toothbrush  
**Overdub:** 1  
**Engineer:** 99425  
**Assistant Engineers:** Webster T.

Digital Audio Workstation (DAW) Information:

- **DAW Program:** Avid Pro Tools  
- **Host Computer:** Mac  
- **DAW Software Version:** 10  
- **Sample Rate:** 88.2 kHz  
- **Bit Depth:** 32 Bit  
- **Sync Source:** Internal  
- **Host Computer Operating System:** OS X 10.9  
- **Saved File Format:** .ptx  
- **A/D Conversion:** Apogee Ensemble  
- **Hard Disk:** Glyph

General Overdub Notes:

See Overdub Equipment Sheet.

String Quartet:
- Violin: Emily K.  
- Violin: Cassie S.  
- Viola: Rose R.  
- Cello: Kevin S.

Lead Vocal: Sam A.  
Duet Vocal: Sam P.
# Overdub Equipment Sheet

<table>
<thead>
<tr>
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<th>Mic</th>
<th>Aux Equipment</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banjo</td>
<td>Epiphone</td>
<td>Neumann KM86</td>
<td>LA3A</td>
<td>Same mic technique as earlier described in tracking session description</td>
</tr>
<tr>
<td>Electric</td>
<td></td>
<td>Royer 121</td>
<td>Shure SM57</td>
<td></td>
</tr>
<tr>
<td>String Section</td>
<td>1st Violin, 2nd Violin, Viola, Cello</td>
<td>Audio Technica 4050</td>
<td></td>
<td>ORTF Configuration, Strings were arranged in a semi-circle. ORTF's on-axis was pointed directly at the center of the semi-circle from 5 feet away</td>
</tr>
<tr>
<td>Lead Vocal</td>
<td>Sam A.</td>
<td>Mojave MA-200</td>
<td></td>
<td>5 inches away from vocalist with pop filter</td>
</tr>
<tr>
<td>Background Vocal</td>
<td>Sam P.</td>
<td>Audio Technica 4050</td>
<td></td>
<td>5 inches away from vocalist with pop filter</td>
</tr>
</tbody>
</table>
Mixing Sheet:

**Artist:** Sam A.
**Song Title:** Toothbrush
**Engineer:** 99425
**Studio:** Home studio
**Monitoring:** KRK Rokit 6’s, Yamaha HS10 Sub. (Stereo 2.1)
**D/A Conversion:** Focusrite Liquid Sapphire 56

**Digital Audio Workstation (DAW) Information:**

**DAW Program:** Avid Pro Tools
**Host Computer:** Mac
**DAW Software Version:** 10
**Sample Rate:** 88.2 kHz
**Bit Depth:** 32 Bit
**Sync Source:** Internal
**Host Computer Operating System:** OS X 10.9
**Saved File Format:** .ptx
**A/D Conversion:** Focusrite Liquid Sapphire 56
**Hard Disk:** Glyph

**General Mix Notes:**

Plug-Ins:
- Waves
- PSP
- Soundtoys
- Sonnox
- Melodyne
- iZotope RX3
- Native Instruments
Example Vocal Processing

Example String Processing
Example Banjo Processing

Example Snare Processing
Mix Session Overview
Media Label Info

Artist: Sam A.
Project #: 01
Media: 1 of 1
Project/Song: Toothbrush - AES Mix
Producer: Kyle M.
Assistant Engineer: Webster T.

Bit Depth: 24 Bit
Sample Rate: 44.1 kHz
File Format: WAV
Media Type: Redbook
Sync Reference: Master
DAW Platform: Mac
Format: HFS+
Software: Pro Tools 10
Backup software: Gobbler

Songs/Files: Toothbrush