

SunTech Developer Guide for MoonBeam

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Preface

Purpose of this Document

This document is a guide for developers to implement the MoonBeam photo-sharing app.

Audience

The *primary audience* of this document is SunTech engineers, as well as developers at other companies who wish to incorporate the MoonBeam app in their own systems.

Revision History

1.Revision History of This Book

Version	Author	Description
01	Richard Faulk	First draft
02		
03		

Customer Documentation

The most up-to-date versions of all SunTech technical publications are available on the SunTech technical publications site, available directly from the Client Self Services Express site:

<http://SunTechservice.lstatic.com/helpdesk>

All documents are available in Adobe™ Acrobat™ (PDF) format, and require Acrobat Reader version 8.0 or later, available from the Adobe site at:

<http://www.adobe.com>

Contact Information

The following table lists the ways in which to contact SunTech International about support and service, technical problems, suggestions, or questions.

2.How to Contact SunTech

For help with...	Contact...	At...
Technical problems or questions such as System failures or hardware RMAs	Technical Support Services	Email Address (<i>mailto:SunTech.support@lstatic.com</i>) Web Site <i>http://www.lstatic.com/en-US/Service/Default.aspx</i>
Submitting incident requests, or checking the status of existing requests or RMAs	Client Self Services Express. Requires your client ID and SunTech-supplied password.	Web Site <i>http://SunTechservice.lstatic.com/helpdesk</i>

Chapter 1: Introduction

MoonBeam Overview

MoonBeam is an photo-sharing app that gives users greater control over their images. In addition to providing image encryption, the app allows users to

- Restrict who may see and share their images
- Limit the times, locations, and platforms where their images may be viewed
- Delete their images, even shared or reposted versions.

MoonBeam is available for Android, iOS, and Web, and it works across all major social media apps.

Features

Image Tracer

This feature sends notifications that allow a user to monitor who views, shares, or reposts the user's images.

Image Timer

This feature allows a user to restrict access to their images by

- Defining a certain expiration date,
- Limiting viewing to certain times, locations, individuals, or social media platforms, or
- Capping access at a certain number of views.

Image Killswitch

This feature allows a user to delete any or all their images, no matter where they have been shared or reposted.

Chapter 2: Use Cases

This section lists all relevant Use Cases for MoonBeam. Corresponding AVI calls for each Use Case can be found in “Chapter 3: API References.”

Image Tracer

User is attending the Taylor Swift Eras tour and wants to see how fast his selfie with Taylor in the distant, distant background can hit 5k shares.

Function Tree

1. In the app, user selects image and then presses **Tracer** button.
2. App loads **Tracer** window.
3. User scrolls though the following options: **Views, Shares/Reposts, Viewers.**
4. User selects **Shares** from options.
5. App sends alerts according to criteria determined during installation.

Note: On installing app, the set-up window allows user to activate banner alerts and to select a numerical threshold that will trigger an alert.

API Usage: Please see “Image Tracer” in the next chapter, “API References”.

Image Timer

A designer wants leave an image portfolio following a job interview but wants to ensure copywrite protection.

Function Tree

1. In the app, user selects images and then presses **Restrictions** button.
2. App loads **Restrictions** window.
3. User scrolls through options, including **Timer, Hours, Locations, Sites, and Individuals.**
4. User selects **Timer** and chooses from a range of options or enters a custom time.
5. At user selected time, app locks access to images.

API Usage: Please see “Image Tracer” in the next chapter, “API References”.

Image Killswitch

User has just realized that he is a man in his mid-forties who has just posted 200 photos from a Taylor Swift concert. He rectifies what he can of this situation by deleting the entire batch of images.

Function Tree

1. In the app, user chooses **Select All** from the options menu.
2. App highlights all images in library.

3. User presses **Disappear** button.
4. App uses unique ID tagged to each image to locate all versions of that image.
5. App deletes all versions of the images selected in user's library.

API Usage: Please see "Image Killswitch" in the next chapter, "API References".

Chapter 3: API References

API Overview

Signup for a developer account contacting us at integration@SunTech.com we will provide you an apikey to start doing all queries.

- Read the documentation
- Start making request against the API at: <https://sandbox.SunTech.pics>

Basic

- We use standard HTTP verbs like GET and POST
- We use standard HTTP error responses to describe errors
- All responses are JSON
- All communications must be SSL (<https://>)

Responses

- 200 - Success
- 204 - No content
- 400 - Bad Request.
- 401 - Unauthorized
- 404 - Not Found
- 500 - Internal server error

Parameters

- *maxDuration*: maximum duration of the Review Huffer (on HDD or SD-Card) in seconds.
- *startDelay*: delay in seconds in creating the Review Huffer (on HDD or SD-Card). If not specified, it defaults to '0' seconds delay (immediate).
- *sessionId*: ID assigned by the SAP Player for the playback session created for local playback or stream-out sessions to Companion Devices.
- *deviceId*: ID provisioned in the Back Office for the device. This `deviceId` is needed for VOD stream-out sessions.

Note: startDelay is optional and can be provided if the platform supports delayed creation of Review Huffer. duration of the Review Huffer can be changed or set if the system does not have a default provided for review-Huffer support via HDD or SD card.

Image Tracer

Request

```
{
  "method": "PASCreateTracerHuffer",
  "id": 50001,
  "jsonrpc": "2.0",
  "params": {
    "ver": "1.0",
    "sessionId": 1,
    "deviceId": "ipad59593",
    "windowType": "streamin",
    "maxDuration": 10800,
    "startDelay": 10
  }
}
```

Response

```
{
  "id": 50001,
  "jsonrpc": "2.0",
  "result": {
    "streamingUrl": "http://147.15468.24.1254654:8080/vldms/tuner/ocap_locator_f=0x1701e480.0xce.m=0x10.m3u8",
    "sessionId": 1
  }
}
```

Image Timer

Request

```
{
  "method": "PASCreateTimerHuffer",
  "id": 50001,
  "jsonrpc": "2.0",
  "params": {
    "ver": "1.0",
    "sessionId": 1,
    "deviceId": "ipad595wef93",
    "windowType": "streamout",
    "maxDuration": 10800,
    "startDelay": 10
  }
}
```

Response

```
{
  "id": 50001,
  "jsonrpc": "2.0",
  "result": {
    "streamingUrl": "http://147.15468.24.1254654:8080/vldms/tuner/ocap_locator_f=0x1701e480.0xce.m=0x10.m3u8",
    "sessionId": 1
  }
}
```

Image Killswitch

Request

```
{
  "method": "PASDeleteHuffer",
  "id": 50001,
  "jsonrpc": "2.0",
  "params": {
    "ver": "1.0",
    "sessionId": 1,
    "deviceId": "ipad59593",
    "windowType": "streamout",
    "maxDuration": 10800,
    "startDelay": 10
  }
}
```

Response

```
{
  "id": 50001,
  "jsonrpc": "2.0",
  "result": {
    "streamingUrl": "http://147.15468.24.1254654:8080/vldms/tuner/ocap_locator_f=0x1701e480.0xce.m=0x10.m3u8",
    "sessionId": 1
  }
}
```

Glossary

API	Application Programming Interface
AVSL	Audio-Video Services Layer
CA	Conditional Access
CC	Close Captioning
CGP	Comcast Guide Proxy
COD	Content On Demand
CPE	Consumer Premises Equipment
DLNA	Digital Living Network Alliance