

## ANDROID STATIC ANALYSIS REPORT





com.endel\_asmr\_312088200.apk

| File Name:          | com.endel.endel_asmr_312088200.apk |
|---------------------|------------------------------------|
| Package Name:       | com.endel.endel                    |
| Scan Date:          | Aug. 29, 2025, 10:06 p.m.          |
| App Security Score: | 85/100 (LOW RISK)                  |
| Grade:              | A                                  |

## FINDINGS SEVERITY

| <b>≟</b> HIGH | ▲ MEDIUM | i INFO | ✓ SECURE | <b>◎</b> HOTSPOT |
|---------------|----------|--------|----------|------------------|
| 0             | 1        | 0      | 1        | 1                |

### FILE INFORMATION

File Name: com.endel.endel\_asmr\_312088200.apk

**Size:** 21.52MB

MD5: 442386ea78bfd452e65256c93a4771d3

**SHA1:** f7359f730172a998fa0e384b8dfcc12013883cb2

**SHA256**: fba5a32db413ce8e32a1a34f9fa81d53611ef773460de41261494551e61d1147

## **i** APP INFORMATION

App Name:

Package Name: com.endel.endel

Main Activity: Target SDK: Min SDK:

Max SDK:

**Android Version Name:** 

**Android Version Code:** 312088200

### **APP COMPONENTS**

Activities: 0 Services: 0 Receivers: 0 Providers: 0

Exported Activities: 0 Exported Services: 0 Exported Receivers: 0 Exported Providers: 0



Binary is signed v1 signature: True v2 signature: True v3 signature: True v4 signature: False

X.509 Subject: C=US, ST=California, L=Mountain View, O=Google Inc., OU=Android, CN=Android

Signature Algorithm: rsassa\_pkcs1v15 Valid From: 2019-01-31 17:54:01+00:00 Valid To: 2049-01-31 17:54:01+00:00

Issuer: C=US, ST=California, L=Mountain View, O=Google Inc., OU=Android, CN=Android

Serial Number: 0xcf1c6897da641903c0a83c882c461dbc24150eba

Hash Algorithm: sha256

md5: 898ced216fcf2b94d85d41d9b94778ff

sha1: 8fa309c9714708a69821ad6de7d554db116d3037

sha256: 9289c30cee30ca40278504d5d375c93ace705ebf57a444a9e30a3132d3345d19

sha512: 7295fe5137a7fab8b9822b1c83a36e7698fb9e6a8fef202634024e68e05fb6018a5b495db7abc72c0959d7ed8e0ea7a4d00054d32be5d96364f992733263f73e

PublicKey Algorithm: rsa

Bit Size: 4096

Fingerprint: da1db2f75ab2a4216a75ffc6596e80ba0ee2f6a22186a3e83b7b54be9af6fad3

Found 1 unique certificates

### **⋮** APPLICATION PERMISSIONS

| PERMISSION                                | STATUS    | INFO   | DESCRIPTION  |
|---|-----------|--|--|
| android.permission.WRITE_EXTERNAL_STORAGE | dangerous | read/modify/delete<br>external storage<br>contents | Allows an application to write to external storage.  |
| android.permission.READ_PHONE_STATE       | dangerous | read phone state<br>and identity                   | Allows the application to access the phone features of the device. An application with this permission can determine the phone number and serial number of this phone, whether a call is active, the number that call is connected to and so on. |
| android.permission.READ_EXTERNAL_STORAGE  | dangerous | read external<br>storage contents                  | Allows an application to read from external storage.   |

## **△** NETWORK SECURITY

|--|

## **CERTIFICATE ANALYSIS**

#### HIGH: 0 | WARNING: 0 | INFO: 1

| TITLE              | SEVERITY | DESCRIPTION   |
|--------------------|----------|---|
| Signed Application | info     | Application is signed with a code signing certificate |

# **Q** MANIFEST ANALYSIS

HIGH: 0 | WARNING: 1 | INFO: 0 | SUPPRESSED: 0

| NO | ISSUE   | SEVERITY | DESCRIPTION   |
|----|---|----------|---|
| 1  | Application Data can<br>be Backed up<br>[android:allowBackup]<br>flag is missing. | warning  | The flag [android:allowBackup] should be set to false. By default it is set to true and allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device. |

# </> CODE ANALYSIS

| NO ISS | SUE SEVERITY | STANDARDS | FILES |
|--------|--------------|-----------|-------|
|--------|--------------|-----------|-------|

## ■ NIAP ANALYSIS v1.3

| NO IDENTIFIER REQUIREMENT | FEATURE | DESCRIPTION |
|---------------------------|---------|-------------|
|---------------------------|---------|-------------|

### **\*: ::** ABUSED PERMISSIONS

| TYPE | MATCHES | PERMISSIONS |
|------|---------|-------------|
|------|---------|-------------|

| TYPE                        | MATCHES | PERMISSIONS  |
|-----------------------------|---------|--|
| Malware Permissions         | 3/25    | android.permission.WRITE_EXTERNAL_STORAGE, android.permission.READ_PHONE_STATE, android.permission.READ_EXTERNAL_STORAGE |
| Other Common<br>Permissions | 0/44    |  |

#### **Malware Permissions:**

Top permissions that are widely abused by known malware.

#### **Other Common Permissions:**

Permissions that are commonly abused by known malware.



Title: Endel: Focus, Relax & Sleep

Score: 4.4324327 Installs: 1,000,000+ Price: 0 Android Version Support: Category: Health & Fitness Play Store URL: com.endel.endel

Developer Details: Endel Sound GmbH, Endel+Sound+GmbH, None, https://endel.io/, ask@endel.io,

Release Date: May 29, 2019 Privacy Policy: Privacy link

#### **Description:**

Focus, relax, and sleep through the power of sound. Endel creates Al-powered sounds designed to support your everyday life. Backed by science, and enjoyed by millions worldwide. Endel is powered by its patented core Al technology. It takes inputs like location, environment, and heart rate, to create the optimal personalized soundscape. This happens on the fly and allows Endel to reconnect your state with your circadian rhythm • Relax – calms your mind to create feelings of comfort and safety • Focus – boosts your productivity by helping you concentrate for longer • Sleep – soothes you into a deep sleep with soft, gentle sounds • Recovery – revives your wellbeing with sounds engineered to lower anxiety • Study – improves concentration and keeps you calm whilst studying or working • Move – boosts performance and enjoyment while walking, hiking, and running Endel collaborations Alongside the much-loved Endel classics, Endel works with innovative artists and thinkers to create original experiences. Grimes, Miguel, Alan Watts, and Richie Hawtin aka Plastikman have all contributed to the growing catalog of soundscapes – with more on the way. • James Blake: Wind Down – designed to support a healthy routine before bed – easing from evening to sleep with supportive sounds. • Grimes: Al Lullaby – original vocals and music created by Grimes. Scientifically engineered for sleep • Miguel: Clarity Trip – made for mindful walks, hikes or runs. With original adaptive sounds from Grammy-winning artist, Miguel. • Alan Watts: Wiggly Wisdom – soothing and motivating spoken word soundscape. Infused with the playful wisdom of Alan Watts • Plastikman: Deeper Focus – a deep focus techno soundscape created with Richie Hawtin Use at home, work, or on the move to relax, concentrate, and minimize distractions and brain fatigue. All

modes are available offline. Using Wear OS app you can see the current and upcoming biological rhythms phases right on your watch face without opening the app. Use them as an energy compass to navigate the day. ENDEL SUBSCRIPTION You can subscribe to Endel, choosing from the following plans: – 1 month – 12 months – Lifetime The subscription automatically renews unless auto-renewal is turned off at least 24 hours before the end of the current period. Payment will be charged to your account at confirmation of purchase. Account will be charged for renewal within 24 hours of the end of the current period, and the cost of the renewal will be provided. Subscriptions may be managed by the user. Auto-renewal may be turned off by going to the user's Account Settings after purchase. No cancellation of the current subscription is allowed during active subscription period. Any unused portion of a free trial period, if offered, will be forfeited when the user purchases a subscription to that publication. For more information: Terms of Use - https://endel.zendesk.com/hc/en-us/articles/360003558200 Privacy Policy - https://endel.zendesk.com/hc/en-us/articles/360003562619

#### **≡** SCAN LOGS

| Timestamp           | Event                                    | Error |
|---------------------|--|-------|
| 2025-08-29 22:06:02 | Generating Hashes                        | ОК    |
| 2025-08-29 22:06:02 | Extracting APK                           | ОК    |
| 2025-08-29 22:06:02 | Unzipping                                | OK    |
| 2025-08-29 22:06:02 | Parsing APK with androguard              | ОК    |
| 2025-08-29 22:06:02 | Extracting APK features using aapt/aapt2 | ОК    |
| 2025-08-29 22:06:02 | Getting Hardcoded Certificates/Keystores | ОК    |

| 2025-08-29 22:06:03 | Parsing AndroidManifest.xml                       | ОК |
|---------------------|---|----|
| 2025-08-29 22:06:03 | Extracting Manifest Data                          | ОК |
| 2025-08-29 22:06:03 | Manifest Analysis Started                         | ОК |
| 2025-08-29 22:06:03 | Performing Static Analysis on: com.endel.endel    | ОК |
| 2025-08-29 22:06:04 | Fetching Details from Play Store: com.endel.endel | ОК |
| 2025-08-29 22:06:05 | Checking for Malware Permissions                  | ОК |
| 2025-08-29 22:06:05 | Fetching icon path                                | ОК |
| 2025-08-29 22:06:05 | Library Binary Analysis Started                   | ОК |
| 2025-08-29 22:06:05 | Reading Code Signing Certificate                  | ОК |
| 2025-08-29 22:06:05 | Running APKiD 2.1.5                               | ОК |

| 2025-08-29 22:06:07 | Detecting Trackers  | ОК |
|---------------------|---|----|
| 2025-08-29 22:06:07 | Decompiling APK to Java with JADX                         | ОК |
| 2025-08-29 22:06:08 | Decompiling with JADX failed, attempting on all DEX files | OK |
| 2025-08-29 22:06:08 | Converting DEX to Smali                                   | ОК |
| 2025-08-29 22:06:08 | Code Analysis Started on - java_source                    | ОК |
| 2025-08-29 22:06:08 | Android SBOM Analysis Completed                           | ОК |
| 2025-08-29 22:06:08 | Android SAST Completed                                    | ОК |
| 2025-08-29 22:06:08 | Android API Analysis Started                              | ОК |
| 2025-08-29 22:06:08 | Android API Analysis Completed                            | ОК |
| 2025-08-29 22:06:08 | Android Permission Mapping Started                        | ОК |
| 2025-08-29 22:06:09 | Android Permission Mapping Completed                      | OK |

| 2025-08-29 22:06:09 | Android Behaviour Analysis Started               | ОК |
|---------------------|--|----|
| 2025-08-29 22:06:09 | Android Behaviour Analysis Completed             | ОК |
| 2025-08-29 22:06:09 | Extracting Emails and URLs from Source Code      | ОК |
| 2025-08-29 22:06:09 | Email and URL Extraction Completed               | OK |
| 2025-08-29 22:06:09 | Extracting String data from Code                 | ОК |
| 2025-08-29 22:06:09 | Extracting String values and entropies from Code | OK |
| 2025-08-29 22:06:09 | Performing Malware check on extracted domains    | OK |
| 2025-08-29 22:06:09 | Saving to Database                               | OK |

#### Report Generated by - MobSF v4.4.0

Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.

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