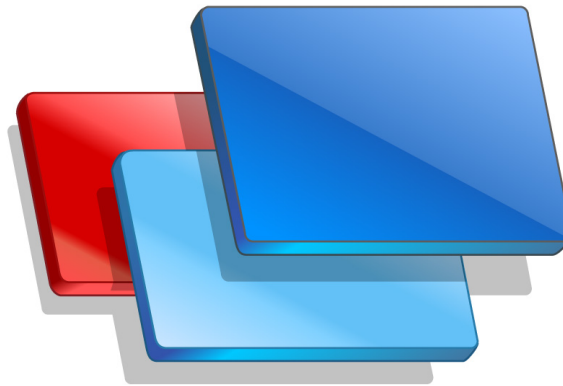




SPB Flash Cards

User Manual



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OVERVIEW

Traditional flash cards for learning foreign languages enhanced with smartphone technologies like photos, native speakers' dubbing, learning progress visualization, smart adaptive algorithm, and detailed statistics. The program helps you to skip the stage of translating a word into your mother tongue first, but memorizing a direct match of a subject and a foreign word instead.

Software Features

Over 1000 Word

SPB Flash Cards contain over 1000 word of the most commonly used words for you to learn.

World Languages

With SPB Flash Cards you can learn 15 of the main world languages. Those are: English, German, Spanish, Italian, French, Russian, Portuguese, Chinese (Simplified), Japanese, Korean, Dutch, Swedish, Polish, Finnish, and Czech.

Flash Cards

Each Flash card contains word photo and voice record by native speaker. The cards are finger-friendly and support sliding and rotating.

Learning Process

SPB Flash Cards provides a smart learning process allowing you to naturally memorize a foreign word and skip the translation stage. The 3 dimensions of memorizing: visual, audible and textual will easily expand your vocabulary.

Statistics

Keep track of your learning progress with detailed statistics.

Categories

Each language includes 1000+ words in 65+ different categories. All the words contain pictures and sounds to help you learning them. To view the categories list, please click [here](#).





INSTALLATION

Installation of SPB Flash Cards is a very simple process and takes less than five minutes to complete. The following installation guide will help you.

System Requirements

SPB Flash Cards supports the following operating systems:

- Android 1.5 and higher



Installing

To install SPB Flash Cards access Android Market™:

On the Home screen, touch the Application button.

Touch Market. When you first enter Android Market, you will see featured items, a list of item categories, a link to search, and a link to My downloads.

Search for "SPB Flash Cards" and touch it. The Item details screen appears. If you scroll down to the About the developer section, you can view more applications by SPB Software or send us an e-mail message.

Touch Buy.

After selecting Buy, you may be asked to sign in to an additional Google account. Sign in and select Purchase now if you want to proceed. Step through the purchase screens.

Or you can use the provided QR Code to locate and purchase the program.

Note

Available from the Android Market, only in countries where paid Android applications are available.



Use QR Code to
find and purchase



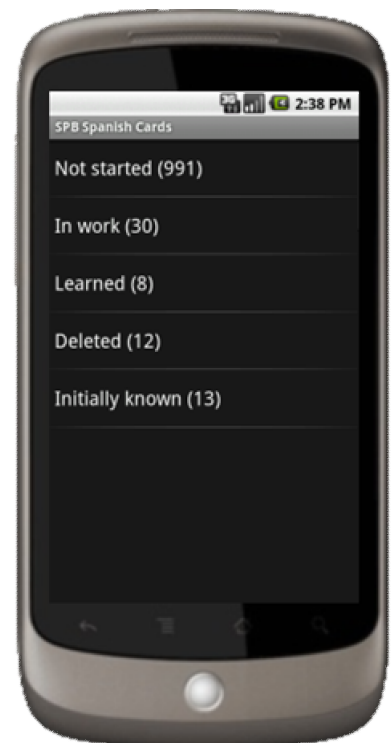
GETTING STARTED

After SPB Flash Cards is installed on your phone it is ready to use. Go to Programs and launch the application.

- As a start, you may need to change the localized language. By default SPB Flash Cards uses your phone local language. To change the language, go to Options and view the available languages.
- The application comes with over a thousand flash cards organized into categories. You decide to learn words under "Car" category (for example). The card shows a picture of a car related item with its localized word written, tap to flip the card. The word then will be shown in the target language with a playable audio clip of the word seen being spoken by a native. This ties together the aspects of vocabulary, oral, and written comprehension as well as a visual picture which helps your brain to better remember what you are learning.
- After flipping the card, you will be asked if you knew or not the word of this card.
 - If you knew the word already, tap I knew and it will not be shown again.
 - If you didn't know the word, tap I didn't know and it will be added to the "in progress" words that you need to work on through 5 levels of learning algorithm. To go to the next level you should:
 1. Successfully complete the previous level.
 2. At least 12 hours has been passed between each level. This will ensure that the word will be retained within the long term memory instead of the short term memory where it can be easily forgotten.
- Over each category image in the main screen, you will see a progress bar. If the progress bar has indicated that you have learned all the words in a category, it will be closed. However, you can open it again by clearing statistics from MENU > Statistics. You can also restore all deleted card from MENU > Statistics > MENU > Clear Statistics option.

Tip

You can keep quiet when learning if needed by turning off the audio clip of the words from MENU > Options > Sound Mode. You can also make the audio clip automatically play when viewing a card by selecting the corresponding option.





HOW SPB FLASH CARDS WORKS

Visual Approach

When we learn a language it is crucial to skip the stage of translating words into mother tongue first, memorizing a direct match of a subject and a foreign word instead. A child does not translate anything but learns to speak by experiencing the world around. When you were a child your parents just pointed at a table and said "table". SPB Flash Cards allows you to learn a language in the same way.

We believe that good photo-realistic pictures are important to make direct associations between objects and how they are called in the language you study.

Spacing Effect

In psychology, the spacing effect refers to the fact that humans and animals more easily remember or learn items in a list when they are studied a few times over a long period of time ("spaced presentation"), rather than studied repeatedly in a short period time ("massed presentation"). Multiple theories have been proposed to explain the spacing effect. Some now believe that an appropriate account should be multifactorial, and at present, different mechanisms are invoked to account for the spacing effect in free recall and in explicit cued-memory tasks. Greene (1989) proposed a two-factor account of the spacing effect, combining deficient processing and study-phase retrieval accounts. Spacing effects in free recall are accounted for by the study-phase retrieval account. Under the assumption that free recall is sensitive to contextual associations, spaced items are advantaged by additional encoding of contextual information relative to massed items. Thus, the second occurrence of an item in a list reminds the observer of the previous occurrence of the same item and of the contextual features surrounding that item. When items are presented in a spaced manner, different contextual information is encoded with each presentation, whereas for massed items, the difference in context is relatively small. This leads to more retrieval cues being encoded with spaced relative to massed items, leading to improved recall.

To help you with the words SPB Flash Cards softly forces you to make delays between repeating a certain word. You can repeat a word several times a day but only the first time will count in the statistics.

SPB Flash Card Algorithm

The first time you open a new word the program shows you a picture and asks if you know this word. When you rotate the card you see how this object is called in the language you study. If you say you knew the word the program will consider this word as a word that was known before and will not ask it again.

SPB Flash Cards will help you to learn the words you did not know before. There are five levels for each word. On each level there is a different task:

1. On the first level you see a picture and should answer for yourself how it is called
2. On the second level the program shows you a picture and gives you four different word variants and you need to choose the right one
3. On the third level SPB Flash Cards shows you a word and you should answer for yourself what it means
4. On the fourth level you need to choose the right picture for the given word among four options





5. On the fifth level the program plays you a sound and you should select the right picture among the four given

To follow the Spacing Effect recommendations the program will not allow you going to the next level the same day you got the previous level for a certain word.

TECHNICAL SUPPORT

Please take advantage of the SPB Software free technical support. Ask your technical question or send a feature request at:

<http://spb.com/android-software/flashcards/support.html>