

ABBYY Lingvo Android How API works



Language combinations

Integrated with the Lingvo API, your mobile application (or else an external mobile application - EMA) can get a list of available language combinationsⁱ from Lingvo Dictionaries (installed on the same device with all of the dictionary databases). In its own interface your mobile application can display a currently active language combination with the ability to change it by selecting from the list of available language pairs.

Active language combinations of EMA and Lingvo are not synchronized, so when you change them in your application they are not changed in Lingvo automatically, and vice versa. Active language combination in ABBYY Lingvo Dictionaries can be changed only with a translation request.

Request for translation

External mobile application sends a translation request of up to 3 wordsⁱⁱ directly to ABBYY Lingvo via its API.

In its turn, ABBYY Lingvo Dictionaries sends back to EMA a reply which may contain the following information:

- headwords of all the dictionary entries found in Lingvo Dictionaries that correspond to the words sent for translation
- translations or explanations
- near-matches for the requested words if they have not been found in Lingvo
- translations or explanations available for the suggested near-matches
- audio data (if audio recording is available)
- titles of dictionaries where requested words are found
- links to corresponding detailed dictionary entries stored in Lingvo
- corresponding language pair

All these data can be displayed by EMA in a pop-up translation card (or else a mini-card). If no translations or suggestions are found, Lingvo will send a "no results found" reply.

Displaying information in a mini-card

EMA opens a mini-card with the requested translation without launching the Lingvo application.

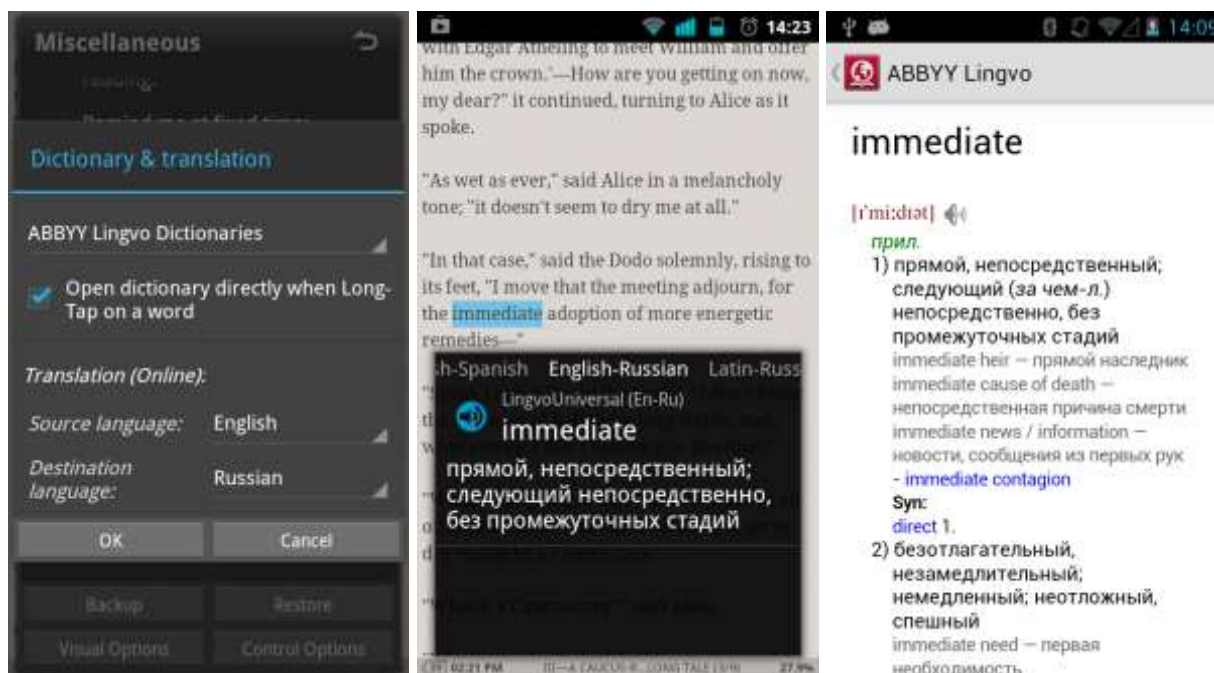
Functionality available from a mini-card

Lingvo API provides an external mobile application with a direct access to the features available within a mini-card:

- A user can listen to an audio pronunciation of the required word, if it is available in ABBYY Lingvo.
- By tapping on a mini-card, a user can open a corresponding detailed dictionary entry stored in Lingvo Dictionaries and then easily get back from Lingvo to EMA with a single tap on a “Back” button.

How it works for end users

When a user selects an unfamiliar word in the text, a small dictionary “card” with translations, definitions and other key information will pop up. It is also possible to listen to an audio pronunciation of the word if it is available in a dictionary. Furthermore, a user can tap this dictionary card to open a full article in ABBYY Lingvo Dictionaries that may contain additional translation alternatives, phonetic spellings, word-use examples, and inflected forms of words.



Images illustrating integration of Moon+ Reader with ABBYY Lingvo Dictionaries.

Files and documentation

After [registration](#) you will be provided with a link to download API files and documentation. The documentation is generated automatically and represented with Javadoc. It is a short description of the Lingvo API's functions for software developers.

Questions

You can send any questions about working with the Lingvo API to lingvo.android.api@abbyy.com. Technical support is provided according to the [Support Policy](#) for Mobile Apps.

ⁱ *A translation language pair with at least one dictionary installed and active.*

ⁱⁱ *When sending more than 3 words, only the first three will be processed.*