

## Eduphone – installation procedure

The Eduphone environment contains a Moodle server, a Nextcloud server (drive) and a Kiwix server (Wikipedia, etc.) running on a Debian Linux system, itself running on Android. It is compatible with a priori all smartphones having an Android version greater than or equal to 7.

### 1 Preparing the installation directory

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Eduphone environment is installed from the smartphone itself containing the necessary files which are as follows:

- The apk files relating to the applications that will be used: install.eduphone.apk , eduphone.apk , termux-app.apk , termux-api.apk , termux-widget.apk .
- A backup of the Linux system: TXsystem.tar.gz
- A backup of the application environment (the servers and their data), depending on the case, several files named TXeduphone\_\*.tar.gz ( \* represents a group of characters).

These files must be located in the same directory which can be either on the smartphone's internal storage, on an SD card, or on a USB key.

•For installation from a USB key or SD card

- Make sure that it is formatted in a format compatible with the smartphone, otherwise the latter will not be able to read it. As a reminder, the FAT32 format is compatible with all smartphones but the file size is limited to 4 GB, the vFat format is compatible with certain smartphones without file size limitations.
- Copy all installation files to a directory on the SD card or USB drive
- Insert the SD card or plug the USB stick into the smartphone.

•For installation directly from internal storage, create a directory dedicated to the installation and copy the installation files there.

When all the files are available on the smartphone, either on the internal storage, or via an SD card, or via a USB key , proceed with the installation as follows:

With the smartphone's file manager, go to the directory where the files are located.

Click on the install.eduphone.apk file .

If necessary, validate the authorization of the installation of unknown sources.

Click on “install”

If necessary, select “ Program installation kit”

At the end of the installation click on “open”. The “Eduphone installation” application launches.

If you click on “OK” and not “open”, launch the eduphone.install application .

♦In this application:

- “ Readme ” allows you to read the installation conditions.
- The four installation steps appear below.

For each step, a “?” icon. » allows you to become aware of what she does.

Installation consists of clicking on “Start”, then “Next” 3 times to complete the 4 installation steps.

**Click on Start to go to the “ Agree condition” step**

Accept the conditions by clicking Accept

**Click on “Next” to go to the “ Allow application permissions” step**

Validate authorization.

It is possible that the app restart to take new authorizations

**Click on “Next” to go to the “Install applications - NOT launch ” step**

Validate the installation of the different applications.

Allow installation from this source.

At the end of each installation, click on “OK” and not on “open”.

**Click on “Next” to go to the “ Authorize Termux to manage files” step**

**Click “Next” to go to the “Launch Termux app ” step**

Validate the authorization request to access files .

A mechanism allows you to interrupt the installation process by clicking on a key in the event that it was launched by mistake. If not, just wait for the installation to finish.

This step lasts several minutes.

When this step is completed, it launches the Eduphone Manage application.

**When launching the Eduphone Management application**

Validate the requested authorization.

## **1.1 Euphone environment management**

In the Eduphone Manage application,

**Click on “Start”** to launch the Eduphone function.

Validate the requested authorization (stopping battery optimization for this application).

You have to wait around ten seconds for the environment to be ready after clicking on Start.

**Click on “ Status ”** to check that the Eduphone function is launched and know the IP address with which you can connect to it. To connect to the Eduphone server, you must:

- Either the smartphone is connected to the same wifi network as that of the terminal with which you want to connect.
- Either the smartphone is a wifi access point, and the terminal is connected to it.
- Otherwise, you can always connect from the smartphone that hosts the Eduphone, you then connect to the IP address 127.0.0.1:8080

We enter the IP address indicated in the terminal browser.