

Instruction for Installation and Adjustment of Mobile Application «Live Sinus»

Purpose

The mobile «**Live Sinus**» application is designed for «**Live Sinus**» generator control. The smartphone-generator interaction is effected via a **Bluetooth**-channel. In fact, the smartphone acts as an external monitor and touch panel for generator control.

Requirements

The mobile «**Live Sinus**» application is installed on a smartphone using the **Android operating system, version 4.3 or higher**.

Installing the Application

There exist two methods to install the application.

1. Installing the Application on a smartphone by using the **official** site link <https://play.google.com/store/apps/details?id=com.lia.livesinus>. In this case it is necessary to:
 - 1.1 have one's own account on the <http://www.google.com> site.
 - 1.2 user will have a chance to **automatically** update the application on his smartphone after new versions become available.
 - 1.3 The Application sends automatically a description of errors to the server in case these errors lead to problems when running the program.
2. Distributive downloading from the site <https://live-sinus.com/download.php> (APK-file) for Application installation on the

smartphone. The received file must be installed on the smartphone and the program must be installed as required. When using this method, it is necessary to:

3. Lower the smartphone safety level — the installation of outside applications must be enabled.
4. No automatic updates are provided for the Application, when new versions become available.
5. To install new versions of the Application one will have to download them every time from the distributive site <http://www.live-sinus.com/> instead of automatic installation of the new version.

Smartphone Connection to Generator

To ensure generator control it is required that the smartphone and generator should be interlinked. To this effect, it is necessary to:

1. carry out smartphone - generator coupling (mating).
2. select the generator in the «**Live Sinus**» program.

Smartphone – Generator Coupling

1. Turn on generator power supply.
2. The smartphone-to- generator distance must be no longer than 2-3 m.
3. Open the “**Settings**” box in the smartphone.
4. Click on the **Wireless Access and Networks > Bluetooth Settings**.
5. In case **Bluetooth** is not on, set the **Bluetooth indicator to its position ON**. The smartphone will start to search and show new devices.
6. As a result of the search the «Live Sinus» generator may become visible in the opened list of accessible devices (this depends on the in-built BT-

module manufacturer) either as «**HC-06**», or as «**SPP-CA**», sometimes as a 12-digit alphabetic code,(known as the MAC-address).

Whatever the case, you can read the name of the Bluetooth device and digital code labeled on the lower cover of the generator body.

7. In case the smartphone stops searching for external Bluetooth-devices, before the anticipated identifier comes into view, click on the **Device Search** once again.

8. In the list of Bluetooth-devices found click on the «**HC-06**» (or «**SPP-CA**») to carry out smartphone-generator coupling.

9. In case of a request to enter the communication number (password), key in either **1234 or 0000** (most wide-spread communication numbers).

10. After coupling the smartphone will be connected to the generator.

Generator Selection in «Live-Sinus» Application

1.Start the «**Live-Sinus**» application on your smartphone.

2. Select the item «Generator Selection» in the Application menu. After this there will be displayed a new list of devices coupled to your smartphone. Select the «**HC-06**» item (likewise «**SPP-CA**» or other). The name of the Bluetooth-device may be seen labeled on the generator lower cover).

3. Thereon device selection is done. One can begin to control the generator by means of the smartphone.

P.S. In case generator identification fails, one may turn off the Bluetooth on the phone and turn off the generator. Thereafter, turn on everything again and repeat the search and coupling as described above.