RePhone Kit Create

SKU 110040002

- Open source modular phone kit
- The easiest solution to wearable/IoT
- Rich-featured add-on modules
- Slim modules, accessible software,customizable enclosures
- DIY Phone

Description

RePhone Kit Create is an open source modular phone kit that changes the way we put our phone into use. It provides a new form of phone customization, and the easiest solution to wearable/IoT development.

With Rephone you can create your own phone in minutes, by using the slim MODULES, accessible SOFTWARE, and customizable Phone Enclosures, and also hack things around you, giving inanimate objects the power of cellular communication, having conversations with your pets, plants, toys, motorcycle helmets, robots, or drones through cellular connectivity.
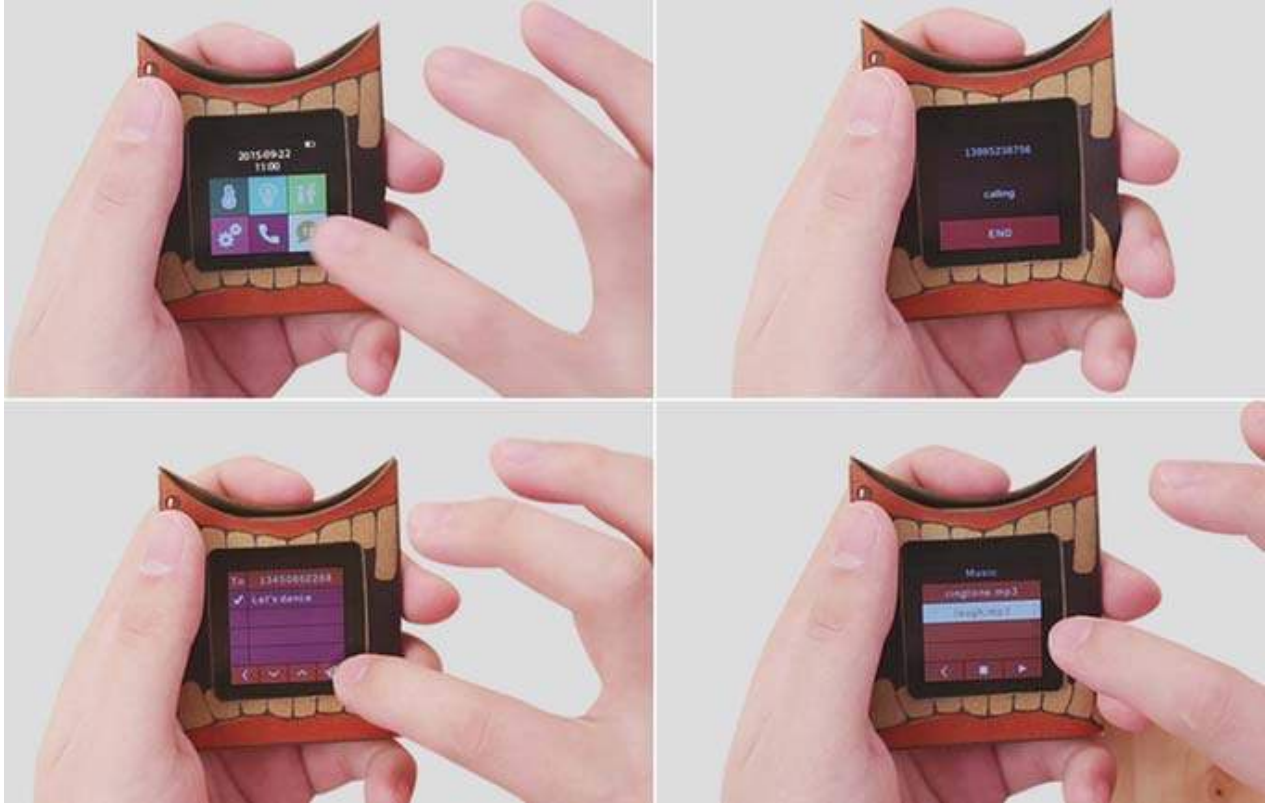
'Re' means 'Renaissance '. A phone does not necessary to be a bulky rectangular block that can only be used by human, it ought to have different shapes and sizes for different applications. The Renaissance of Phone encourages people to 'rethink' what a phone could be, 'redesign' how it should look like, and 'remix' the modules to 'remake' a unique phone for our very own.

Now it is time for us to start the Renaissance of Phone.

Features

- World's first open source and modular phone
- Kraft paper with versatility and durability
- Various rich-featured add-on modules for function extension
- DIY Phone

CORE MODULE - Xadow GSM+BLE

- Microcontroller: MT2502
- MCU Core: 32-bit ARM7EJ-STM RISC processor
- RAM: 4MB
- Flash Memory:16MB
- Power Supply: 3.3 – 4.2V
- Quad-band: 850/900/1800/1900 MHz
- GPRS: Class 12 modem
- Clock Speed: 260 MHz
- Connector: 35 PIN Connector & 11 PIN Connector for Xadow
- Interfaces: External ports for LCD, camera, I2C, SPI, UART, and GPIOs etc.
- Dimension: 25.37mm X 20.30mm / 1'' X 0.8''

Part List

- 1x Xadow GSM+BLE
- 1x Xadow Audio
- 1x Xadow 1.54" Touchscreen

- 1x Xadow GSM Breakout
- 5x FPC Cable 35 PIN
- 1x Battery 520mAh
- 10x Rivets 2032
- 16x Rivets 2040
- 8x Rivets 3035
- 2x Kraft Paper
- 1x User Guide

RePhone Introduction

RePhone Kit is an open source modular phone kit that changes the way we put our phone into use. It provides a new form of phone customization, and the easiest solution to wearable/IoT development.

With Rephone you can create your own phone in minutes by using the slim MODULES, accessible SOFTWARE, and customizable PHONE CASE. You can also hack things around you, giving inanimate objects the power of cellular communication, having conversations with your pets, plants, toys, motorcycle helmets, robots, or drones through cellular connectivity.

Features

- World's first open source and modular phone
- Support Lua, Javascript, Arduino IDE and Eclipse IDE
- Various rich-featured add-on modules for function extension
- DIY Phone
- Last for about 25 hours @ standby (RePhone Kit Create)

RePhone Family

The core of the RePhone is provided by Xadow GSM+BLE or by RePhone Core 3G Module (coming soon), beyond these two core modules are 8 more chainable add-on modules to extend the features and functionalities – Xadow 1.54'' Touchscreen, Xadow Audio, Xadow GSM Breakout, Xadow LED 5x7, Xadow Basic Sensors, Xadow Duino, Xadow GPS v2 and Xadow NFC v2.

Reset your Rephone to defaults

Please be noticed that reset your Rephone to defaults will delete all the settings and files(images, musics) in the RePhone, do aware of this before you reset it to defaults.

To reset your RePhone to **DEFAULTS:**

1. Follow the instructions in "Update/Flash the Firmware" section to flash the firmware
2. Download the RePhone_Create_Kit_VXP file
3. Enter the RePhone Mass Storage Mode
4. Copy everything under the file named "RePhone Create Kit VXP" into the RePhone 5MB mass storage.
5. Restart your RePhone then its done. As reset have deleted all the files, you would have to put an mp3 file in the mass storage as well for the use of ringtone.

RePhone Community

We've been looking for a better place where our backers (RePhone Users) can sit together, warmly and comfortably, have conversations about RePhone, discuss technical problems, share ideas/projects, and give feedback on the modules' development in the future. And then here we go, the RePhone Community.

Now join us in the RePhone Community

Together we seek answers, make interesting stuff, care about each other, and share our experiences.