



Genie Universal Device User Manual

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Table of Contents

1. Genie Universal Features.....	4
2. What is Genie Universal ?.....	3
3. Genie Applications.....	5
4. Frequently Asked Questions.....	6
5. Contact Information.....	7



Genie Universal Device User Manual

What is Genie Universal ?

Genie is small, but very powerful standalone service device targeting the mobile phone repair/unlock market. The design idea follows the line of the so called 'clip' devices that usually plug to the service connector of a phone and are able to send some type of unlock command. But because Genie is extremely powerful and versatile, it is breaking out from the clip description.



Genie has a color LCD, keypad, internal LiOn rechargeable battery, SD card slot, Smart card slot (full size), parallel port, 2 USB ports - Host and Device - enough hardware to provide very flexible and extensible platform for mobile phone servicing, unlocking, repairing and even flashing.

All the hardware variety is backed by powerful software support. Fully grown Real Time Operating System, strong driver support for variety of service protocols - fast UART flashing, custom protocols like Nokia Fbus and modified SPI flashing protocols, USB enumeration of wide range of mobile phones give Genie the power to be truly powerful and universal service device.

The device has been designed with security in mind. We have put a lot of effort to make sure your investment is safe. Every device has unique identity, implemented not only as serial number, but also as device specific unique data. Backed by industry standard RSA algorithm, all application are built specially for a given device.

Genie is fully updatable via Internet service. Genie is provided with the best possible support, updates, bug fixes and firmware files. Help files will be uploaded to our support area on a regular basis.



Genie Universal Device User Manual

Genie Universal Features:

- Standalone Universal Device - it can run applications for any phone model
- 4096 colors LCD display
- Easy to navigate menu system, similar to popular phone interfaces
- Numeric keypad: 0-9, and up/down/left/right button
- High capacity LiOn battery - 7.2 V/ 1500 mAh. It can power the device for more than a week, it will also provide power to the connected phone
- SD/MMC card support (64 Mb to 16Gb), SDHC fully supported, FAT32 formatted*
- 10 pin parallel port, can work as general purpose parallel port, USART, clock generation, TP interface. Phones can be connected via standard RJ-45 service cables from compatible flashing boxes
- USB Host and Device ports - it can connect as USB device to PC and can provide USB interface to a phone
- Smart Card Interface, ISO 7816 compatible. It can work with manufactures original cards as SX-4, EMMA3 and also other JAVA and .NET cards
- Genie uses the SD card as permanent storage, all files and applications are stored and executed from the card
- Genie can work as PC dongle enabling Windows programs with high speed interface and security features
- Triple power supply - can operate on internal battery, supplied charger or USB cable connected to a PC



* 16 GB is the maximum available on the market at the moment of document editing. SDHC supports up to 32 GB



Genie Universal Device User Manual

Genie Applications

Genie can execute small programs, that we call applications. This is similar the way programs are run on a PC, Mac or PDA. Every application is stored on the SD card in the Programs directory and can be executed by selecting it in the Program Manager Menu and then clicking 'Run'. The application will be loaded and the user will have the ability to control it, select required function - for example unlock or repair a phone, detect connected phone, read the phone information etc. When the application is no longer needed, the user can simply exit it and return to the Genie main menu.

```
Quincy - genie.h
File Edit View Project Debug Tools Window Help
hello.p Hello world
// -----
// Hello world application
// -----
#include "genie.h"
main()
{
    lcd_print "Hello world"
    os_sleep 1000
}
genie.h Finished, Please press any key.
#pragma library GenieAPI
/* Print on LCD */
native lcd_print(text[])
Press F1 for help Ln 7, Col 23
```

As there are many applications available for Genie, and there will be much more added in near future, all of the applications are organized in directories based on the phone model supported - all Nokia applications are in folder called 'Nokia', all SE applications are in folder called 'SE' and so on.



Genie Universal Device User Manual

Frequently Asked Questions:

- **My device seems dead. I am not able to power it on, what is wrong ?**

Your device is in Suspend mode. This is special power down mode that is designed to save the battery life when the device is not in use. It is different then LCD backlight off mode, where only the LCD light is switched off, but the device will continue to work. In Suspend mode all hardware is switched off, and minimum power consumption is achieved. To exit Suspend mode just press and hold the '1' button for 2 seconds.

- **I have tried to exit Suspend mode with '1' button, but the device is still not powering on. What can i do ?**

Maybe the battery has run off. To put the device on, just plug the charger. This will start the device again and also recharge the empty battery.



Genie Universal Device User Manual

Contact Information



Genie Universal is developed by B-phreaks Ltd, UK for XpMobile Ltd, China. For sales, support and general information, please contact the manufacturer of the device in China.

How to contact us:

Email: sales@genie-universal.com

Web: <http://www.genie-universal.com>

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