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LUPO - User Manual

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DRAFT

About LUPO

Lupo is a multi-functional Bluetooth device for loss prevention, lost item recovery and remote control. In addition, the Lupo is designed to become a platform for the creation of new applications and comes with a software development kit (SDK) designed to enable app developers to build their own unique apps on the device.

The full range of Lupo capabilities includes:

Lupo for loss prevention

The Lupo can be set to activate anti-loss and anti-theft alerts, including audible and visible alarms and/or SMS like messages, when personal items are left behind or someone else moves them. In addition, Lupo can help to prevent data theft by automatically locking a computer when the user steps away from it, the first device of its kind to offer this service.

Lupo for recovery of lost items

Lupo can help find lost possessions through “last known location” finding and crowd-sourced updates on a map, to help recover a lost item.

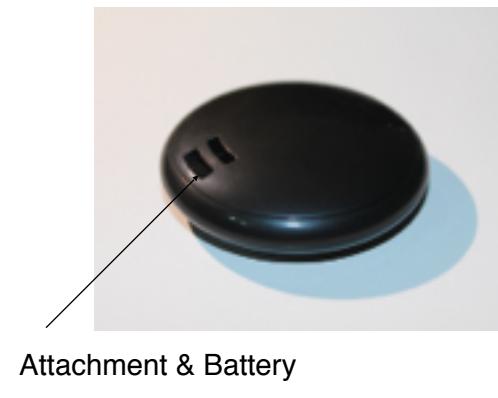
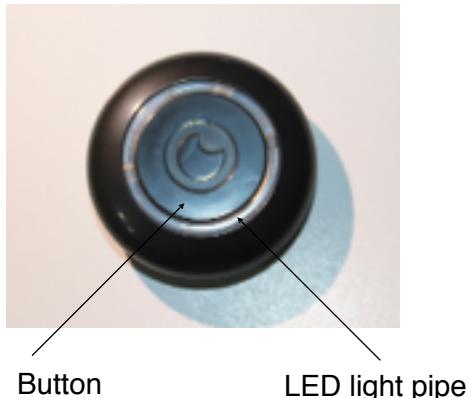
Lupo for remote control

Lupo can be used as a Bluetooth remote controller for controlling a smartphone camera to take the perfect selfie or to click through presentations, which are just two apps that are built-in to Lupo.

Lupo for developers

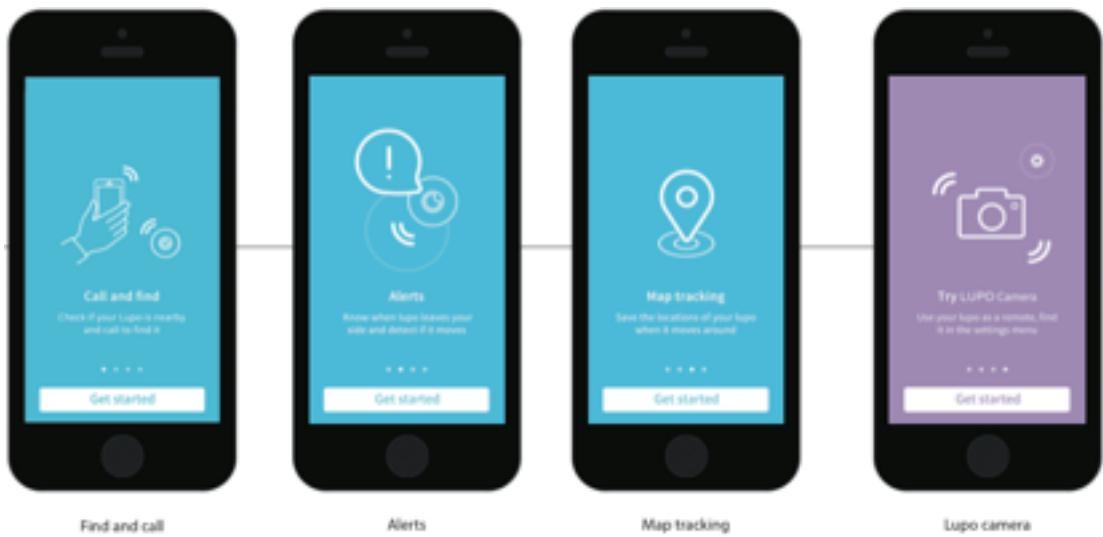
Software developers can build their own Bluetooth applications on the Lupo platform with the Lupo SDK, allowing them to program the button and harness the built-in accelerometer for gesture control, plus its location-based and proximity detection technologies to create new and useful applications.

Product

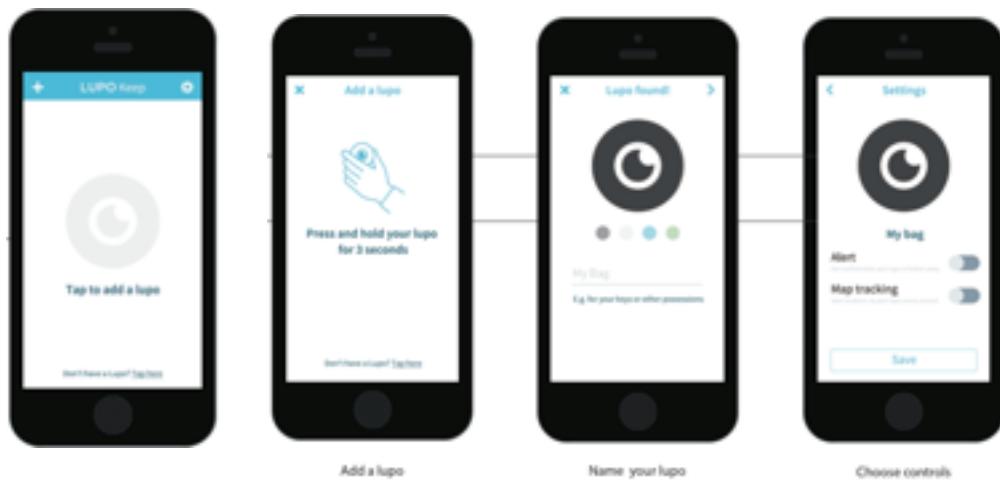


Lupo Setup

1. Download 'Lupo Phone Tracker & Device Finder' App from the Apple Appstore.
[Note: App is compatible with iPhone 4S or above running iOS 7.0 or higher]
- Note: For updated and latest version of app please contact support@mylupo.com for a test flight copy of Lupo iOS app to test.
2. Open App and **Turn on Bluetooth** from the Settings menu (if Bluetooth is not already On App will display a message to turn it on). Ensure you check yes to Location Services. This needs enabled for the iBeacon mode and Maps (show lost Lupo on a map) features to work.
3. The Get Started Menu on the App explains how to start using the key product features. The App is divided into two basic sections: Lupo Keep - to keep your items safe; Lupo Control - remote control features such as phone camera.



4. Add a Lupo



Tap on the add Lupo screen to start the process and the App will guide you through the setup. Here you can choose a name to describe your Lupo (eg. 'my Keys', 'my travel bag', etc.) and also the color of the Lupo device you are connecting - to make it easy to keep track of them.

5. Save/ Edit settings & Remove



Once done, enter 'Save'. You can also edit the settings anytime from the app. To disconnect and remove a Lupo on the top right you will find the red 'remove' button.

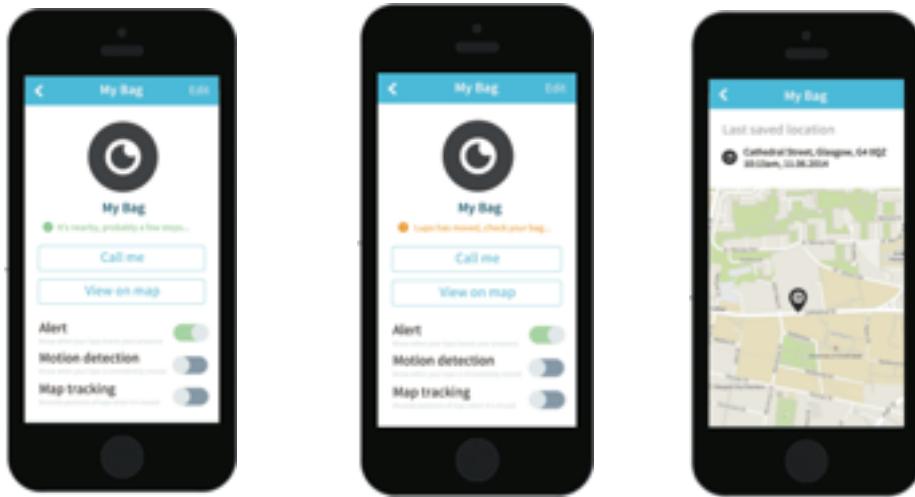
Lupo Keep

1. Find & Call: When Lupo is in range (marked: **green tick**), you can ring and find it by using the 'Call Me' button. This will sound the buzzer on Lupo device and flash all the LEDs.
2. Alerts: Lupo alerts are designed to notify you when your tagged possessions can potentially get lost or stolen while on the move or travelling.

Out-of-range alert: When Lupo goes out of Bluetooth range (up to 50 meters in free open space, in closed rooms this may be shorter) it will trigger an alert on your phone.

Motion alert: The option appears when Lupo alert is enabled. This would trigger an immediate alert as soon as a tagged item is moved even before it can go out of range.

3. Map Track: When the App shows Lupo is out-of-range already (marked: orange sign) use 'View on map' to know where Lupo was last seen so you can start your search from there.



Lupo Control

A camera remote control app is preloaded with Lupo phone app. Use this to take pictures remotely. To access the camera app go to the settings menu on top right.

Lupo SDK: Many other control apps are possible to be made with the Lupo SDK. Please visit Lupo SDK from settings menu of the app to learn more.

Troubleshooting Guide:

If you encounter any problems, first please **check**:

1. You have a compatible device: iPhone 4S and up with iOS 7.0 and up. Android 4.3 and up.
2. You have Bluetooth turned ON in your devices
3. You checked Yes to Location Services
4. You have a Lupo device which is ON and showing LEDs blinking

Make sure your Lupo device is broadcasting. The LEDs blink to indicate this. If this does not work, then press and hold the button on your Lupo till LEDs start to blink and check the app is scanning.

For troubleshooting first check if you have the right version of the App. In not, you need to **re-install App** i.e. download and re-install the app from app store. You can check which version of the app you have by visiting the Help page. Then, please try the steps 1-3 below in that order.

Once connection is properly setup the first time and you come back to the app and Lupo device is in range of your app the screen shows marked: **green tick** while it shows **orange sign** when the Lupo device is out of range from your app.

If at any point you have:

- The LEDs are blinking, the app is open but still no connection takes place
- The app keeps searching for Lupo device but cannot connect
- The app only connected with one Lupo but other devices do not connect
- The app just crashed/ the screen froze

If your app shows orange sign even when you are right next to the Lupo device it means the app cannot somehow connect to the device. Try the steps 1-3 below.

Try the following 3-step process in this order:

1. **Re-start Bluetooth:** Turn Bluetooth on and off on your phone/ tablet
2. **Re-start App:** Try the to close the app by killing it and then re-launching the app
3. **Re-start Phone:** Reboot your phone/ tablet by turning it off and back on again

If you still experience issues, please get in touch: support@mylupo.com

Note: At present you can connect Lupo device to only one phone/ tablet app at a time not both simultaneously.

Help the Team improve the App: We introduced a very simple way to send error logs.

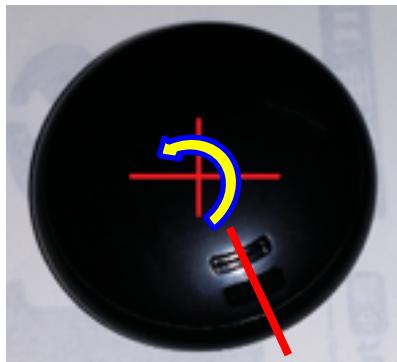
SHAKE to Feedback: Simply shake your phone and click send Log data to report any crashes or unusual behaviour. Please tell us a little about the context in which the app failed to work so we can fix it up.

Troubleshoot on Lupo device

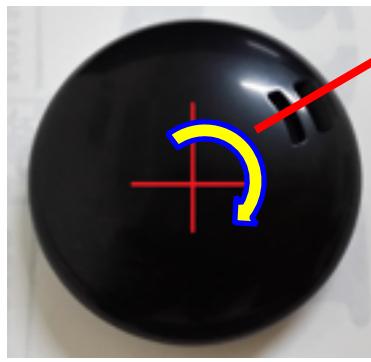
Remove battery and re-insert

Step-1: Open lid - Rotate 90 degree anti-clockwise

Step-2: Close lid back - Rotate 90 degree clockwise



OPEN Cover back



CLOSE Cover back

Battery Handling - Important

Lupo uses high quality cr2032 coin cell batteries. Even with good batteries, problems do occur when they are mishandled. It has been reported that batteries have stopped to function or have run out of charge earlier than expected. The battery manufacture's guideline provides circumstances when antistatic conductive material coming in contact with the battery have caused discharge leading to voltage drops or capacity deterioration. Make sure batteries to do not come into contact with any material including other batteries. Please ensure you have clean hands before you touch the battery. This is because human perspiration (salt), body oil etc. also increase the surface resistance and may lead to defective contact on the battery.

Note: Make sure you keep the coin cell battery very clean and do not remove or touch the batteries unless it is time to replace them. Your app will notify when it is time to change the battery.

Only coin cell **cr2032** (nominal voltage 3V) battery type is approved for Lupo sensors.

CAUTION: Risk of explosion if battery is replaced by and incorrect type. Dispose of used batteries according to the instructions.

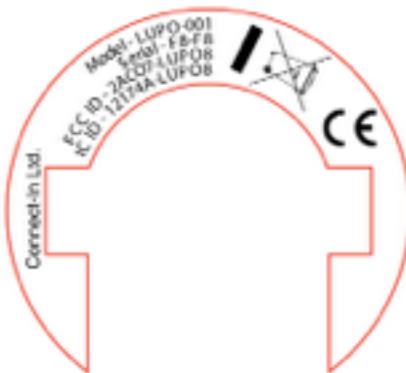
Safety Information

Lupo is designed to withstand everyday wear and tear, including a 90-120cm (36"-48") free fall drop onto a hard floor and will survive an accidental splash of water on it. However, please note Lupo should not be used under the water, if immersed in water eg. in shower/ swimming pool it may damage the electrical circuit. Lupo is dust resistant and splash resistant.

Operating Temperature: -20 to 60°C only.



Please note: At the rear of the product where you access the battery service area you will find the Label as below with the CE symbol which shows Lupo conforms to the Conformite Europeenne **CE standard**, a **wheelie bin symbol** (note disposal instructions for the product noted next to this symbol explained in this manual), with Federal Communications Commission **FCC ID: 2AC07-LUPO8**, Industry Canada **IC ID: 12174A-LUPO8**, product model and serial number along with the manufacturer name, Connect-In Ltd.



The product and technology is patented, protected under Patent GB 2505324 and International Patent Application WO 2014/030009.

Lupo is a Trademark of Connect-In Ltd. Bluetooth & Bluetooth Smart are registered Trademarks of the Bluetooth SIG.

EC Declaration of Conformity

in accordance with EN ISO 17050-1:2004

We: Connect-In Ltd.

Of: c/o: SUI, 50 Richmond Street, Glasgow, United Kingdom, G1 1XP

in accordance with the following Directive(s):

2004/108/EC The Electromagnetic Compatibility Directive

1999/5/EC Radio Equipment and Telecommunications Terminal Equipment Directive

hereby declare that:

Equipment:... Multi-function Bluetooth Button.....(Description of equipment)

Model Name/Number:... LUPO-001.....(Brand name, model, serial number, etc)

is in conformity with the applicable requirements of the following standards:

Safety EN60950-1 A12 or A2

Radio EN300328 v1.8.1 (2012-16)

EN301489-1,-17 v2.2.1 (2012-09)

I hereby declare that the equipment named above has been assessed and found to comply with the relevant sections of the above referenced specifications. The unit complies with the relevant requirements of the applicable Legislation and I am the person authorised to compile the technical documentation.

Signed by: 

Name: Mr Prithviraj Sarkar Position: Director
Done at: 50 Richmond Street, Glasgow, United Kingdom Date: 26-08-2014.

Regulatory Information

Declaration of Conformity

Trade Name: CONNECT-IN

Model No.: LUPO-001

Responsible Party: Connect-In Ltd.

Address: c/o: SUI, 50 Richmond Street, Glasgow, G1 1XP, United Kingdom

Telephone Number: +44 (0) 845 034 1440

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an output on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Industrie Canada (IC) Déclaration de conformité

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAUTION

Any changes or modifications not expressly approved in this manual could void your authority to operate the equipment.

Disposal of Old Electrical and Electronic Equipment (EU-only)



This symbol on the product or its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility for the disposal of your waste equipment by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve the environment and ensure that the equipment is recycled in a manner that protects human health and the environment. For more information about how to recycle your waste equipment, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Connect-IN Ltd.
50 Richmond Street
Glasgow G1 1XP

United Kingdom.
e: info@mylupo.com
t: 0845 0341440

Product Website: www.mylupo.com