

Making mobile devices more intuitive to use — **Powered by Ultrasound**

Elliptic's ultrasonic gesture recognition technology allows users to interact with devices in a natural and efficient way.

Large interaction space

180 degrees: sensors can sense in front and on all sides of a device.

Robust & responsive

Works in every lighting condition, on the move, or even when users are wearing gloves.

Low power

The most power-efficient gesture solution available today.

Software Development Kit

For device manufacturers, Elliptic's SDK for smartphones gives a way to easily and cost effectively integrate consumerfriendly touchless gesturing in your devices.

Gesture Portfolio

The SDK kit supports a range of controls that enable you to create disruptive ways to interact with your devices and applications, and create your own gestures.

000

Performance

Elliptic Labs' efficient algorithms run smoothly even on computationally limited devices: gesture detection can be performed on an ARM application processor or with a low-power DSP (including while the phone is asleep).

hello@ellipticlabs.com

Ultrasound Based Gestures

NEW: Multi Layer Interaction (MLI)

www.ellipticlabs.com (🔀

This capability is the latest advance in intuitive mobile interaction. Without touching the device, as your hand moves towards your phone, for example, the screen lights up and information is displayed. As you continue to move your hand closer, different information is revealed. MLI makes it faster to work with applications you use repeatedly during the day, such as checking messages, playing games, navigating maps, using social media, and watching videos.

Prototype Development Kit (PDK) Smartphone Gestures

With the Elliptic Labs Prototype Development Kit, you can build your own applications and demonstrate touchless gesture recognition on your current or future smartphones. You only need a USB gesture driver to support Elliptic Labs' PDK. We provide source code and technical support should you need help compiling the driver into your device kernel.



Software Development Kit (SDK) Smartphone Gestures

Elliptic Labs offers a comprehensive suite of demo apps to show relevant use-cases for ultrasonic gesture recognition. The SDK includes sample code that is easy to integrate into any application.



Supports a large number of form factors and platforms

- Android operating systems (Jelly Bean and up)
- Smartphones, tablets and laptops

Faster time-to-market thanks to limited hardware requirements

- 1 ultrasound transducer
- Standard audio microphones
- 96 KHz sampling rate
- 40 KHz centre frequency

Extended library of gestures and application samples

 Scrolling, multi layer interaction and always-on gestures work from above, below and all sides of a device.



ELLIPTIC LABORATORIES, INC.

575 Market Street Suite 3950 San Francisco, California 94105 United States of America

ELLIPTIC LABORATORIES AS

Sandakerveien 24C 0473 Oslo Norway P (+47) 21 89 91 30

ELLIPTIC LABORATORIES LTD PTY

9/F, Tower 12, KIC III 333 Song Hu Road 200433 Shanghai China