

# Finch

# Finch: Ultimate Input Device for MobileVR

The "missing link" for Mobile VR to go mainstream Enabler for Social VR platform

## Finch: Solves known VR-input issues



The best input solution for Mobile VR devices



Where are my hands?

Low latency visualization of hands movements in VR-space



I cannot type text to search and chat

Virtual QWERTY keyboard with typing speed comparable to tablet/smartphone Key enabler for Social VR platform



I cannot play games without joystick&button controllers

Moving – shooting – boxing – pointing – picking – selecting is now possible using ergonomic finger and touchpad gestures



No intuitive interface for VR-desktop and application controls

Combination of standard intuitive smartphone and mouse gestures for sliding – swiping – zooming – selecting – pointing – clicking

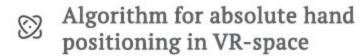
## Finch: Key technology features



Intuitive and User-Friendly - Affordable - Light - One-size-fits-all



IMU sensors and bio-mechanical gesture recognition algorithm







Mini-touchpad for standard mouse controls (moving-tapping)

Vibrational haptics

### **VR-input players**



Right input solution will allow Mobile VR to go mainstream and increase uptake of Mobile VR technology

#### Main types of VR-input:

- Optical tracking: precise but costly, too high specs for mobile VR
- Joystick controllers: mainstream today due to VR gaming content, no typing input
- Wearable devices: no consumer versions yet, bulky and cumbersome to use
- Other: neuro, suits, omni-directional, exotic - not suitable for Mobile VR









### Finch: FAQs



#### Why do we call it 'Finch'?

Finch is a combination of words 'fingers' and 'pinch' reflecting the design of our device. And a nice bird too.

#### Who are we?

We are a small team from Ufa, Russia, with angel investor on board. We have developed few motion tracking products including full-body tracking suit and omni-directional VR motion platform before starting this project

#### How much Finch will cost?

We try to bring the cost of device down as much as possible. Today the cost of its components is around 60 usd so we hope Finch will have retail price of about 50-70 usd once it goes for mass production

## **Finch: Contacts**





#### Our contacts:

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