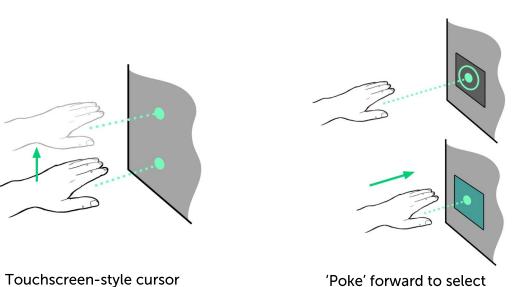


How Does It Work?

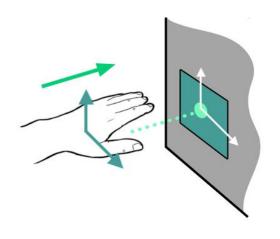
- Install the <u>Leap V4 Service</u> on your kiosk PC.
- Connect and mount an Ultraleap camera to the kiosk PC via USB.
- Open The application and Configure it to work with your target screen

Provides familiar touchscreen-style interactions:

- A user's hand is detected, and shown as a cursor displayed on the screen
- Items are selected by a simple 'Poke to Select' like tapping the screen
- To drag or scroll, 'Poke, then move'





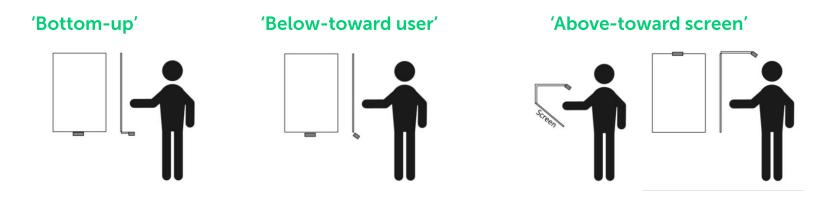




'Poke' forward and move to drag

System Requirements & Camera Positioning

These Ultraleap camera positions are supported in this release:

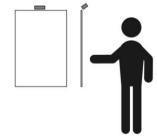






Ultraleap intend to support these additional camera positions in forthcoming releases:

'Above-toward user'



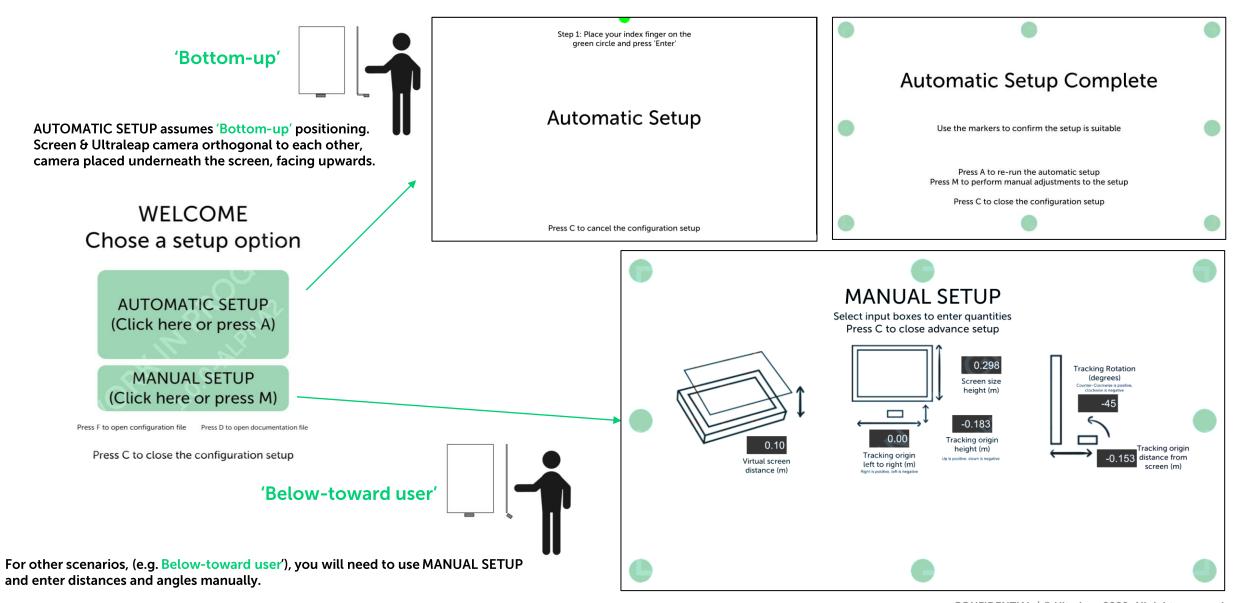
System requirements

To run this application you will need the following minimum system specifications:

- Ultraleap Leap Motion Controller or Rigel Camera (see notes on camera placement)
- Windows® 10
- Intel® Core i5/i7 processor;
- 4 GB RAM;
- USB 2.0 port



Calibration Setup





Calibration – Manual Config Examples

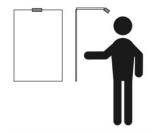
Calibration can also be done by editing a config file found here on your PC: %userprofile%/AppData/LocalLow/Ultraleap/*APP NAME*/TouchlessConfig.json. Examples of the values to set for two scenarios are shown below. (see the included README.txt for more details)

'Below-toward user'

Ultraleap camera, 10cm below the bottom of the screen, 15cm from the front, tilted away from the screen by 40 degrees:

```
"LeapPositionRelativeToScreenBottomM": {
    "x": 0.00,
    "y": -0.10,
    "z": -0.15
},
    "LeapRotationD": {
    "x": -40.0,
    "y": 0.0,
    "z": 0.0
}.
```

'Above-toward screen'

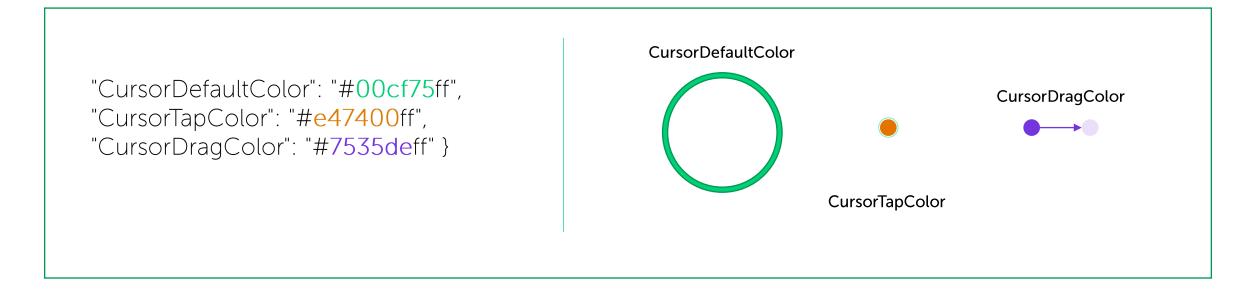


Ultraleap camera positioned 35cm above the bottom of the screen, 20cm from the front, rotated downwards with a 10 degree tilt inwards towards the screen:



Cursor Customization

- Cursor appearance can be changed by editing the: TouchlessConfig.json (see the README.txt for more details)
- The first six digits of these color codes use standard <u>Hex Color Code</u>.
- The last two digits relate to the opacity, with 'ff' = 100% opacity in this case. (for more detail on Hex opacity see here).

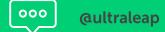


Note: Ultraleap intends to support additional customization in future builds. E.g. Cursor size, Interaction style.



Thank you







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