Finch Technologies Ltd.

Confidential

Finch Shift
6DoF Controller
(DVT rev.)

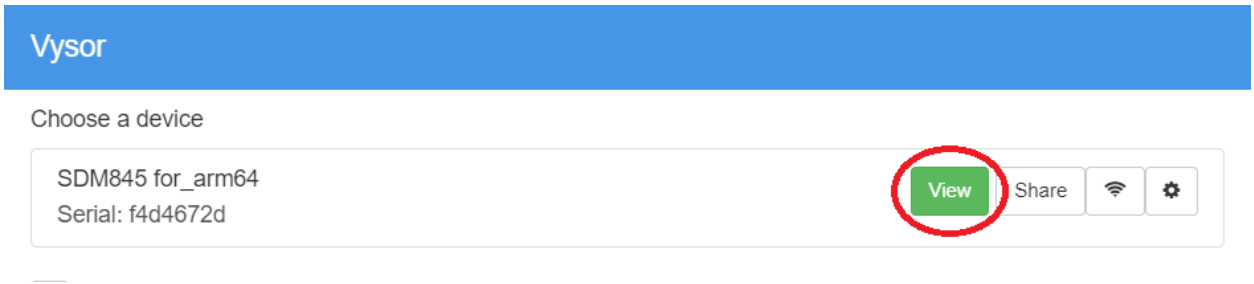
Qualcomm 845 HMD installation SOP

Date: 14.12.2018

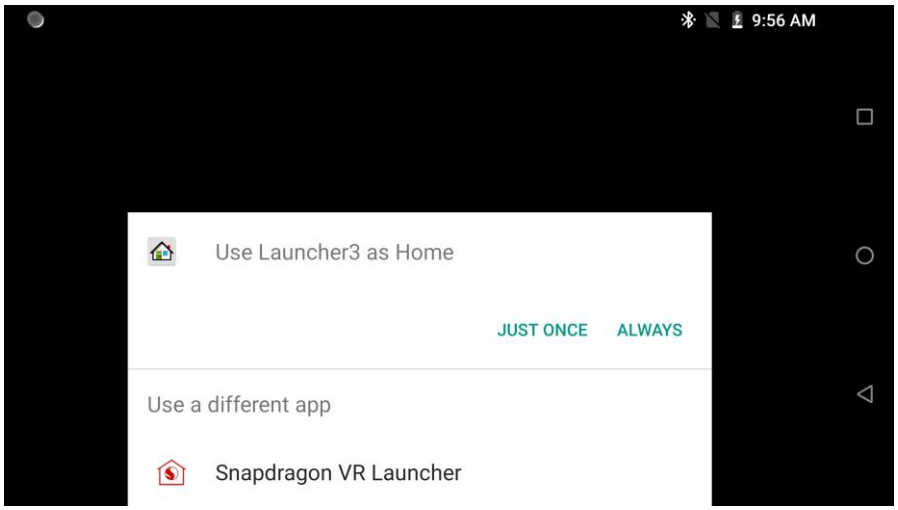
Version: 1.0.0

Pairing

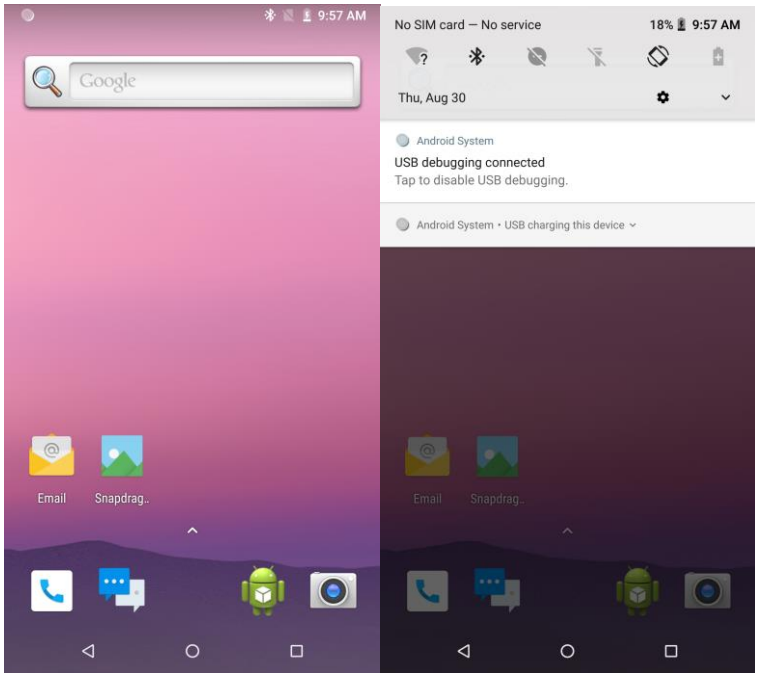
1. You should install and launch **Vysor** on your PC.
https://www.vysor.io/
Turn on and connect your HMD with a USB Type-C cable to the PC you run Vysor on. Select SDM845 and click View.



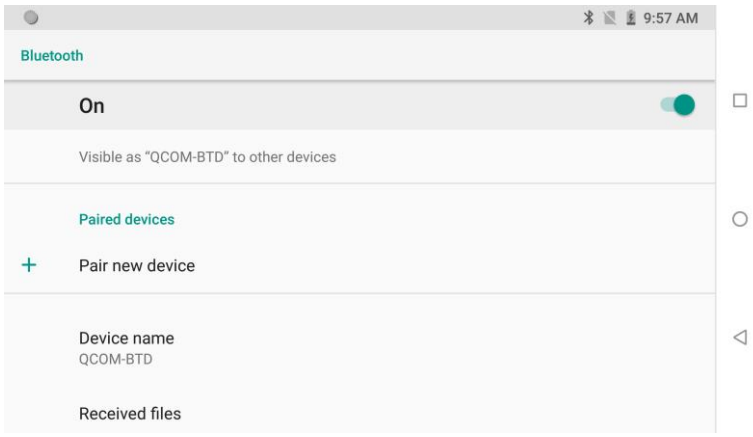
2. Click Use Launcher3 as Home - **Just Once**



3. Pull down notification bar and hold bluetooth sign.

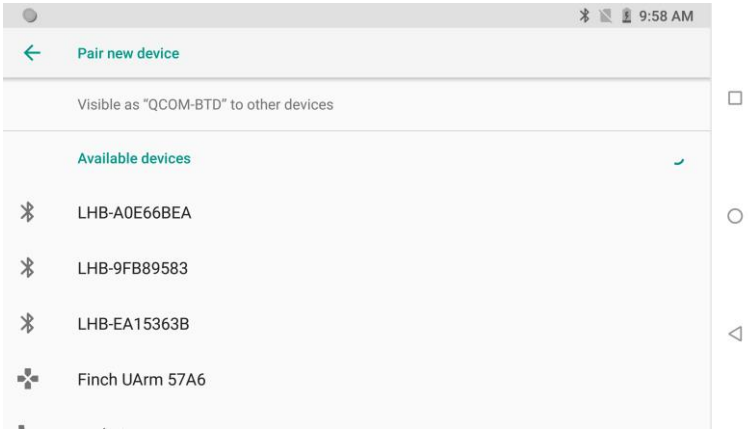


4. Turn Bluetooth on and click pair new device.

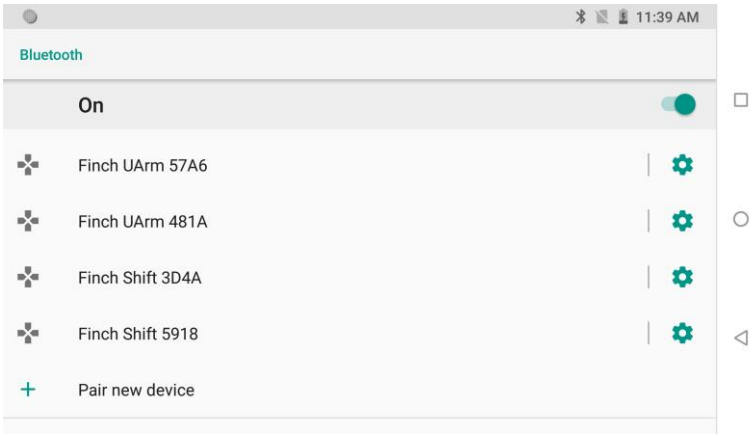


5. Turn on all 4 Finch controllers, two contollers and two armbands, by holding the **power button for 1 sec**. until the led flashes. Hold the controllers close to the HMD.

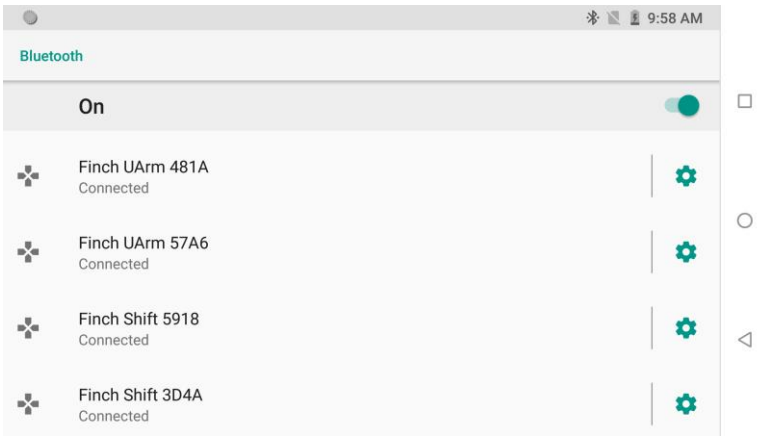
6. Select Finch devices in the available devices one by one.



7. Check if they are all paired.



8. Click them one by one to connect.



Controller is connected when the indicator on the Finch controller **stops flashing** and **starts to glow**.

Step Instructions:

Inorder to use finch controllers with SVR, please make following changes to gControllerService in svrapi_config.txt file. It is used to provide the default and current controller service type.

To use Finch

gControllerService = "com.qti.acg.apps.controllers.finch/com.qti.acg.apps.controllers.finch.FinchControllerService"

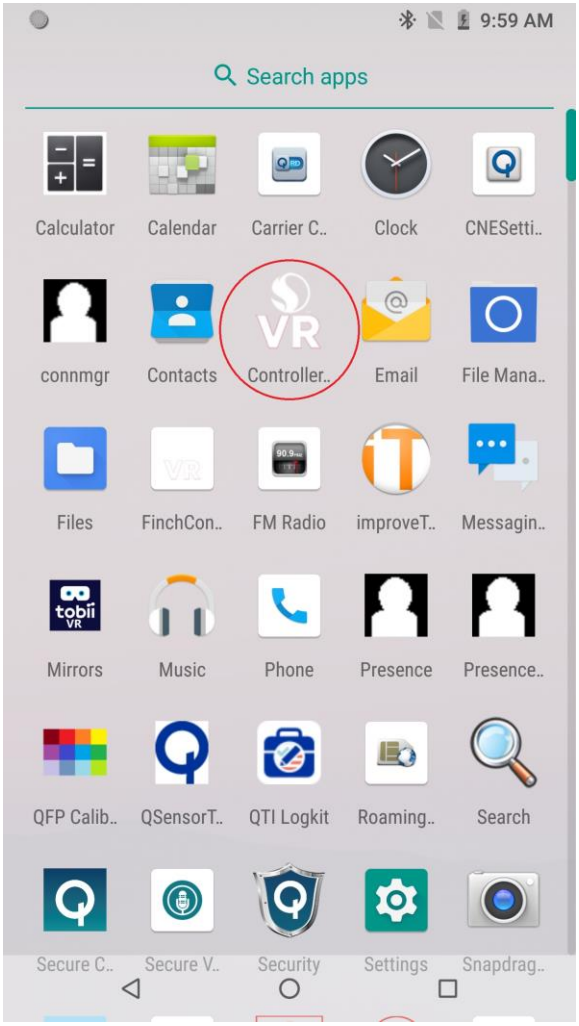
Setup

- • Install the ControllerTest apk from 3.0.2 release or later
- • Install the FinchControllerService apk from 3.0.2 release or later

ControllerTest - Demonstrates the use and integration of the Finch 6DoF controller.
FinchControllerService - Service that talks to Finch Controller Core and provides the values to the SVR SDK in a format that is required by the SVR SDK.

Test app launch

1. Click on the test app


9:59 AM
Search apps
Calculator
Calendar
Carrier C..
Clock
CNESetti..
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Contacts
Controller..
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FinchCon..
FM Radio
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Messagin..
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Music
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QSensorT..
QTI Logkit
Roaming..
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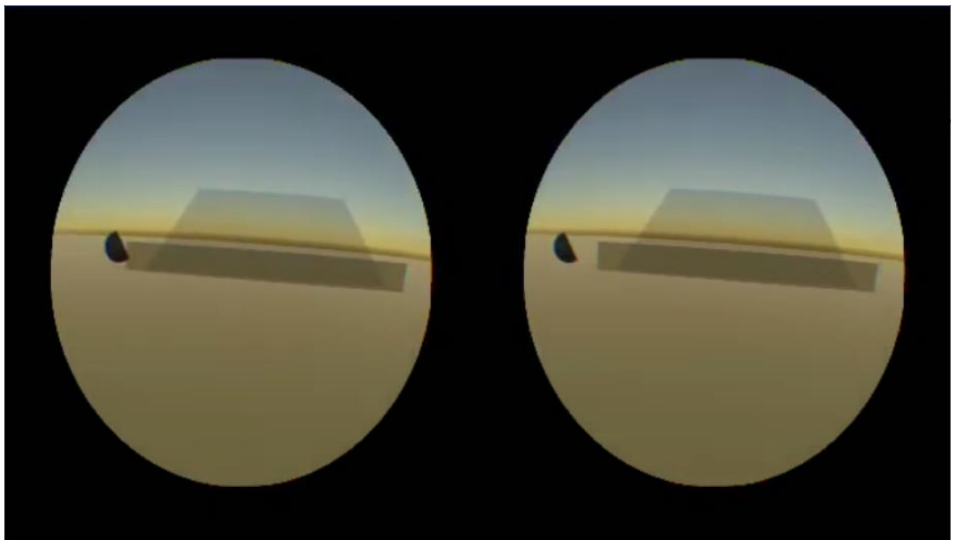
Secure C..
Secure V..
Security
Settings
Snapdrag..



Calibration

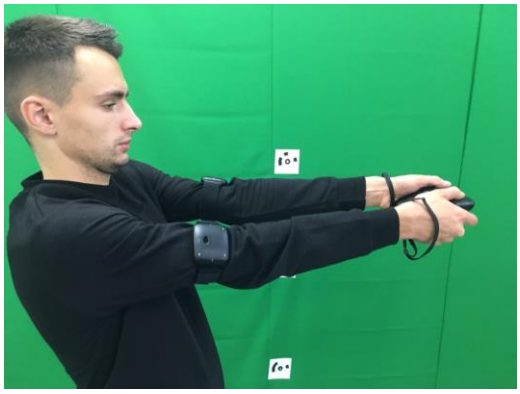
1. Put on the armbands like shown on the photos. The power button should be facing up.

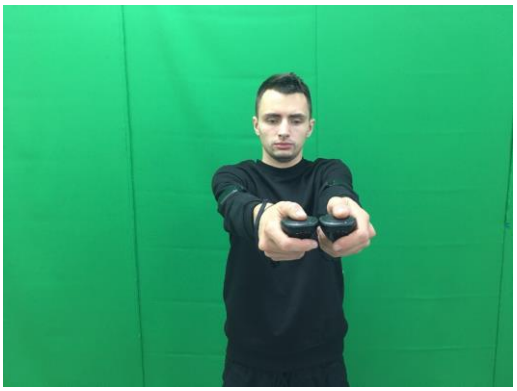
2. After you put on the armbands you should press the power button once on the right armband to assign it’s chirality.

NOTE: After you assign the chirality, it will bind to the particular device. If you want to swap armbands from left to right you should press the power button on the new right armband once and then recalibrate.

3. Put on the HMD and pick up the controllers. First you will need to calibrate.

Do simple calibration: stand like shown in the photos and press both touchpads at the same time.





4. Models of the controllers will appear in front of you in VR.

[Known issues]

1. HMD might crash right after the app launch, turn it back on by holding **Volume Down + Power button** for 15 sec.

2. After the calibration hands will appear too high in the scene.