

# Make your own smart watch



## Preparations

- Odroid W
- ODROID-W Docking Board
- Li-Polymer Battery pack
- Bluetooth module
- Buttons
- Wire and Header pins
- Watch straps
- Your android device

**You should have 2.2" TFT LCD on the odroid-w.**

[How to use 2.2" TFT LCD on the odroid-w](#)

**Build and run ODROID-GEAR Qt application on your odroid-w.**

Qt package installation.

```
sudo apt-get install qt4-dev-tools
```

Get The ODROID-GEAR Qt source.

```
git clone https://github.com/hardkernel/ODROID-GEAR
```

## Compiling

```
cd ODRROID-GEAR/Qt_odroidgear
qmake -project
```

Add following line in the Qt\_odroidgear.pro

```
QT += network
```

Make it!

```
qmake
make
```

## Build and Run ODRROID-GEAR Android application on your android device.

### How to set up an Android development environment on your Desktop PC

Java jdk pakage installation.

```
sudo apt-get install openjdk-7-jdk
```

Download Android Studio with the Android SDK.

<http://developer.android.com/sdk/installing/studio.html>

Get odroid gear android source code.

```
git clone https://github.com/hardkernel/ODRROID-GEAR
```

Run Android studio and import Android\_odroidgear project in the ODRROID-GEAR repo.

Finally, after connected android device, perform "Run app" of IDE menu or "Shift + F10"

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