

Installation Guide for HARty

Train smarter, Train better

Minimum SDK Version - 23

Target SDK Version - 30

Compile SDK Version - 31

Instructions :

- 1) Install the APK on an Android phone that meets the above requirements. You can find instructions on how to do this on the Internet.
- 2) Before installing the APK, please ensure you have turned your Bluetooth on and are connected to the Internet. A WiFi connection is preferred.
- 3) After the APK has successfully been installed and HARty has loaded up the onboarding screen, please give HARty all the required permissions. If you do not do this, the application will not be able to perform activity recognition or other features correctly. Essential permissions include Bluetooth Services, Location Services and Network Services.
- 4) On the dashboard, you can verify if both Bluetooth and Network connectivity statuses are displaying ON, as shown below in Figure 1. You can swipe up to refresh, the status gets updated in real-time.

Figure 1:



Figure 1 (a)



Figure 1(b)

- 5) Please head to the sensors page to connect your Respeck. To connect your Respeck, you can either enter the MAC address into the text box provided, scan the Respeck using NFC, or simply scan the QR code provided at the back of the Respeck. To be able to Scan you need to give us access to your Camera, and for using NFC to scan, you must enable NFC.
- 6) Now press the link to connect the Respeck to the phone. You can verify that the connection has been successful by looking for a blinking blue light on the Respeck, and ensuring that

“Connected” is displayed on the screen. If the screen displays “Connected”, but you are unable to view the blinking blue light on the Respeck please restart your phone. We have noticed that BlueTooth adapters are causing problems for some phones. Please do this whenever your Respeck refuses to connect to your phone. Although there is a very low chance of this happening, we apologise for this.

- 7) After Respeck has successfully to your phone, please select either the “Essential Features” or “All Features” algorithm from the dropdown on the Sensors page. **Please note that it is mandatory for you to select an algorithm to be able to view any of the predictions.** “Essential Features” allows your final prediction to be of 4 values, while “All Features” allows it to be 1 of 14. To confirm your selection, please click the “Select Algorithm button.

After completing all the steps you now are ready to use HARTy and make your predictions. We hope you have fun! With HARTy, train smarter instead of training harder.

