

SL120 Android Development Environment Setup

Table of Contents

- 1. Android Studio..... 1
- 2. Eclipse 5

There are two prevailing development environments for the Android application software: Android Studio and Eclipse. Google no longer supports the official update of the Eclipse development plug-in. Android Studio is recommended to develop the application software of the UHF elf. This manual will describe the setup of the above two development environments.

1. Android Studio

Log in the official website of Android (across the firewall is required), and access to the Develop-Tools page, or directly click the link address <http://developer.android.com/sdk/index.html>. The web interface is shown in Figure 1:

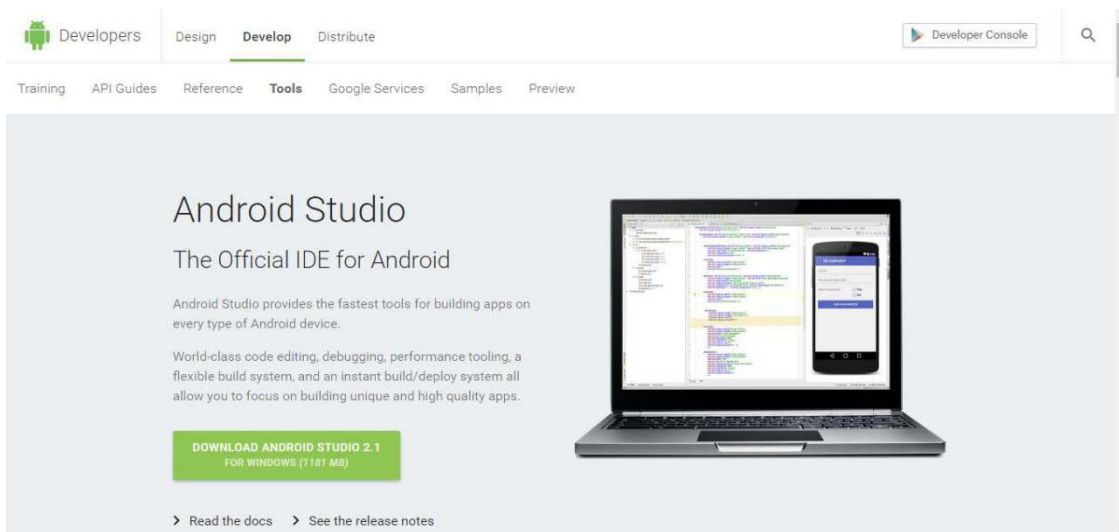


Figure 1

Click the green download button to pop up the download dialog; check the “Agree or not” box and click the blue button to confirm downloading.

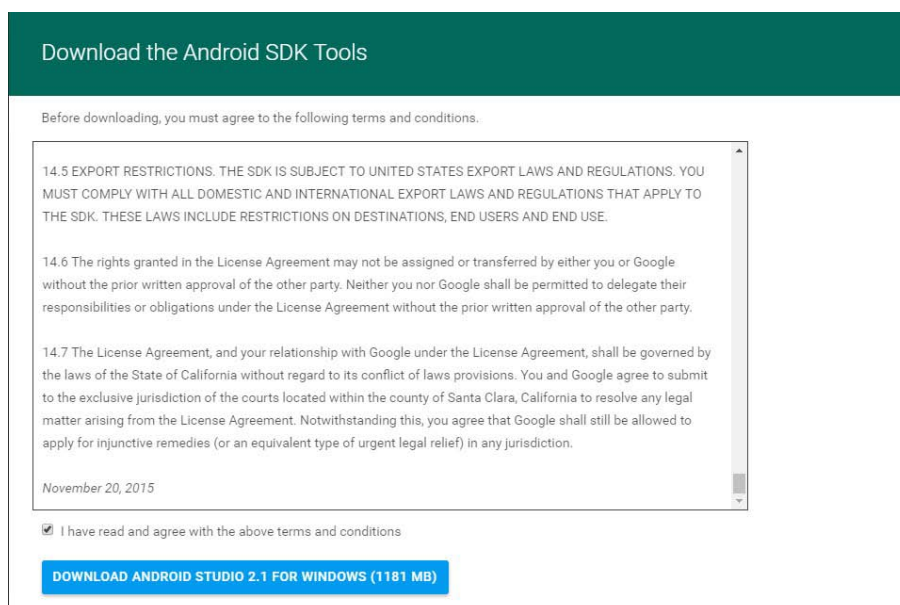


Figure 2

Once the download is complete, start installing Android Studio. Skip the installation process and open the software interface as follows after installation:

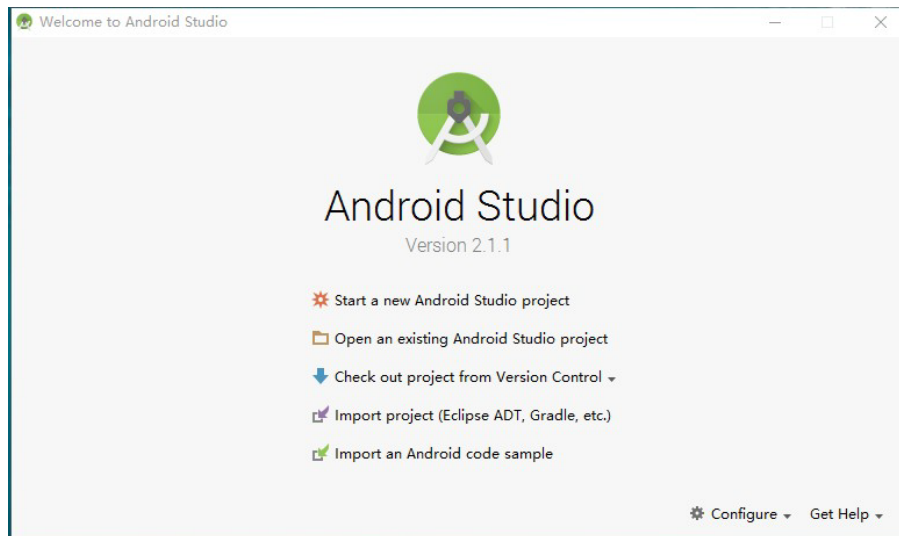


Figure 3

Click the second option **Open an existing Android Studio project** and select the project directory of the demo software:

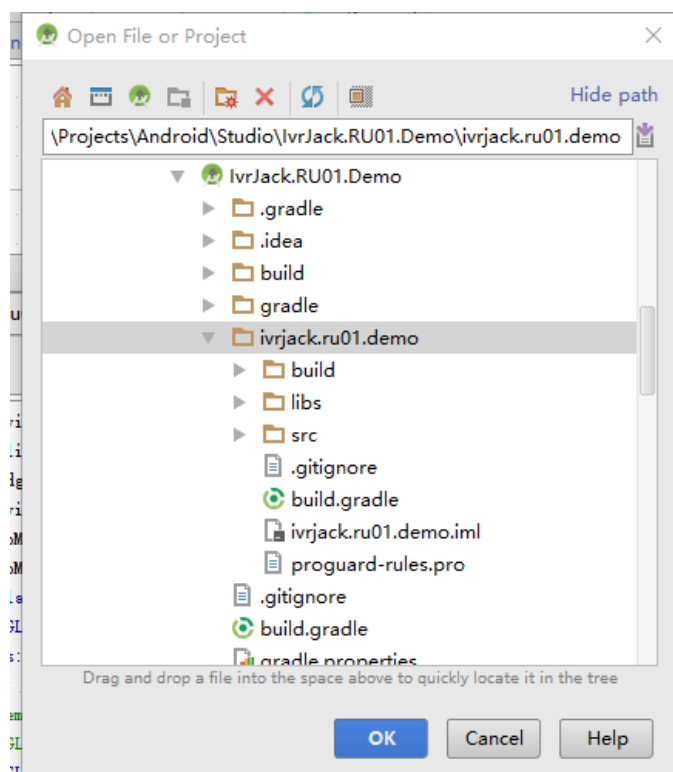


Figure 4

Confirm and open it with the system interface as follows after importing the configuration successfully:

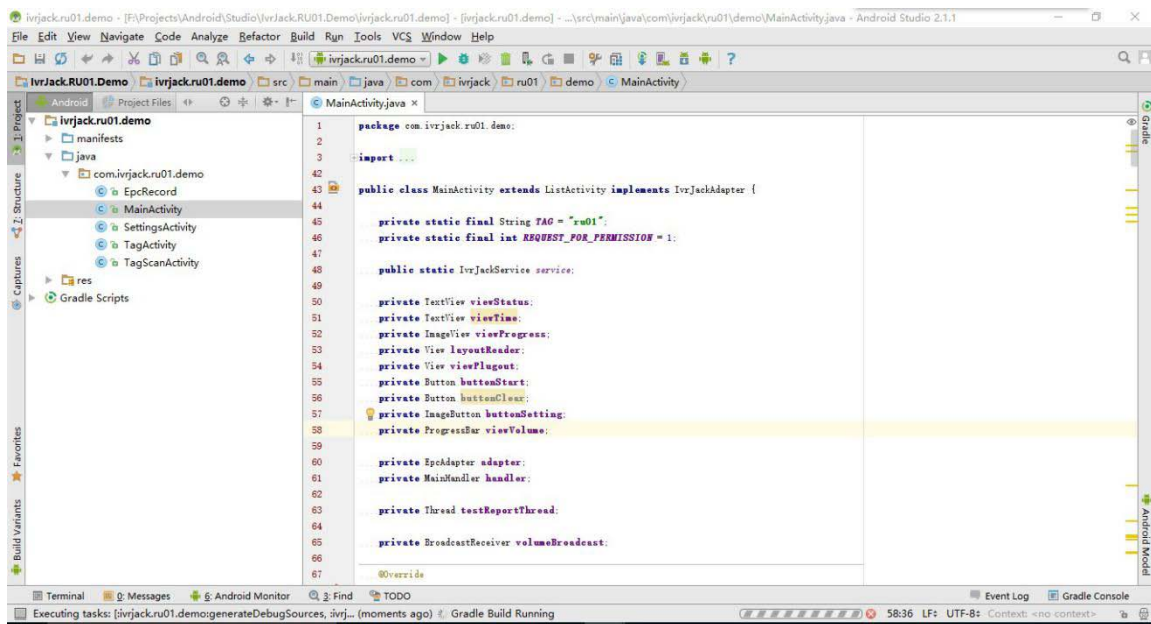
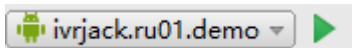


Figure 5

Connect your phone to the computer via data cable and click the



Run button from the toolbar; check your phone from the device list and click OK.

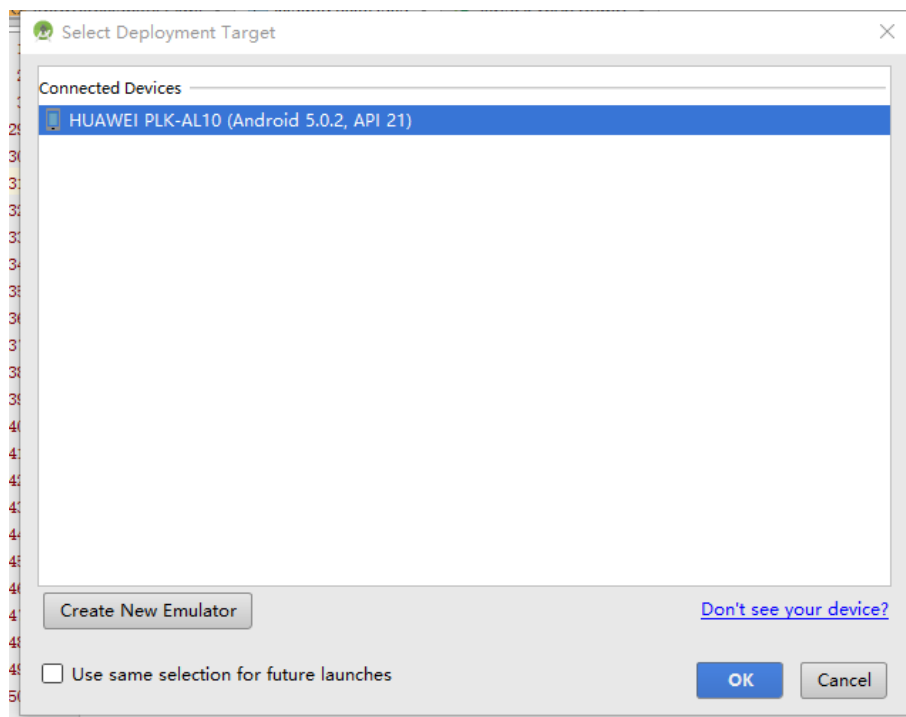


Figure 6

Wait patiently until it is compiled. After successful compilation, the demo software will be installed on your phone.

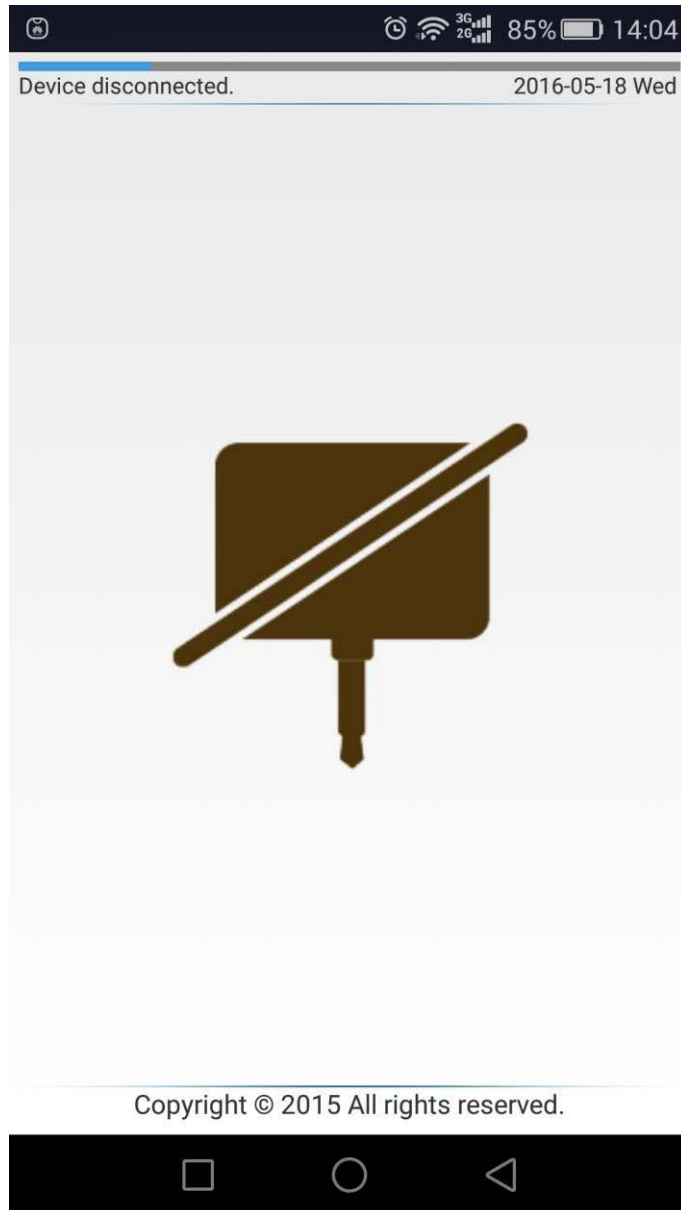


Figure 7

2. Eclipse

Log in the official website of eclipse: <http://www.eclipse.org/downloads/>; select a version to download and install.

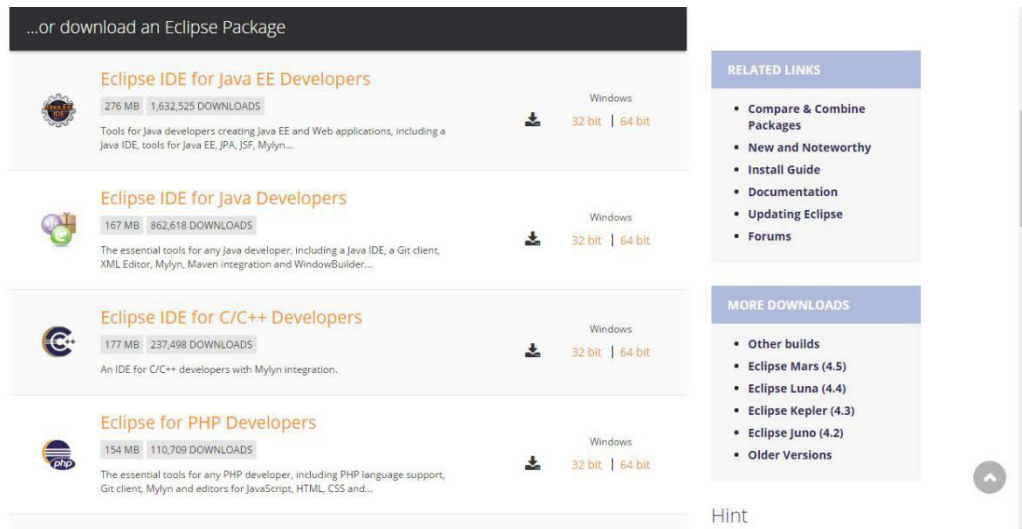


Figure 8

Download the Android development plug-in [ADT-23.0.7](#). As the download link is not available in the official website of Google, click the above link to download. Open Eclipse and click Help-Install New Software to pop up the following dialog box:

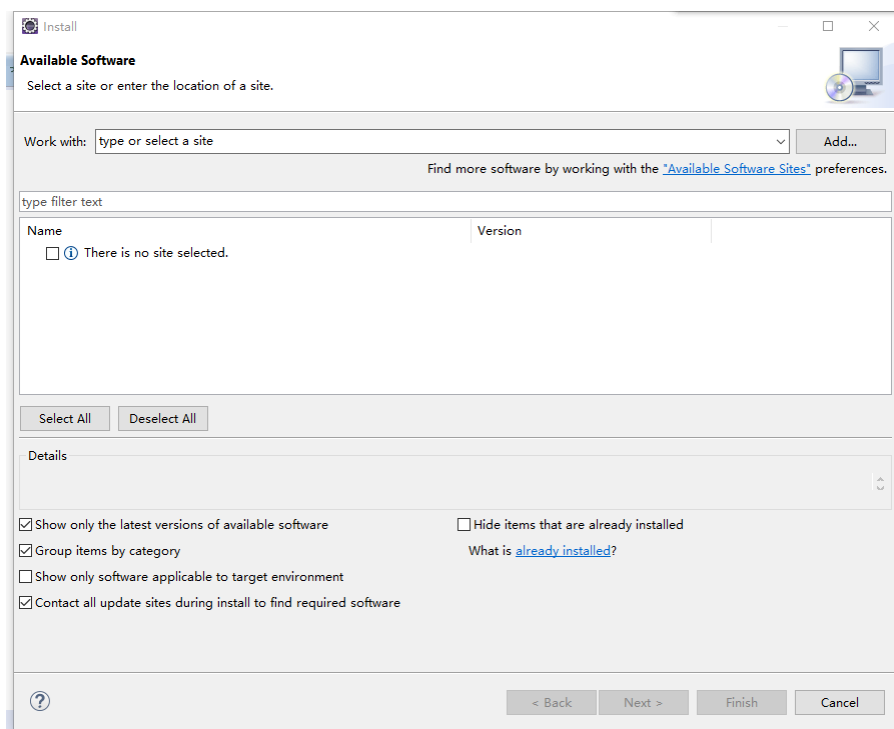


Figure 9

Click the Add button, select Archive, check the ADT-23.0.7 plug-in just installed and click OK.

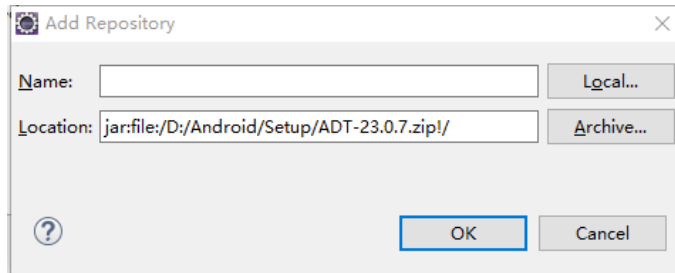


Figure 10

Check Developer Tools and click Next to start installation. Once the installation is complete, click File-Import in the menu bar, select “Existing Projects into Workspace” and click Next.

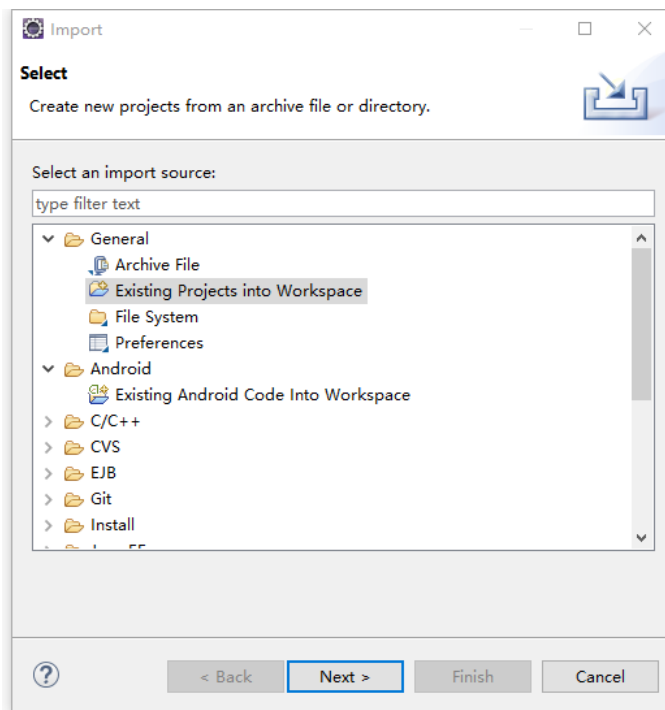


Figure 11

Check the project directory of the demo software and click Finish.

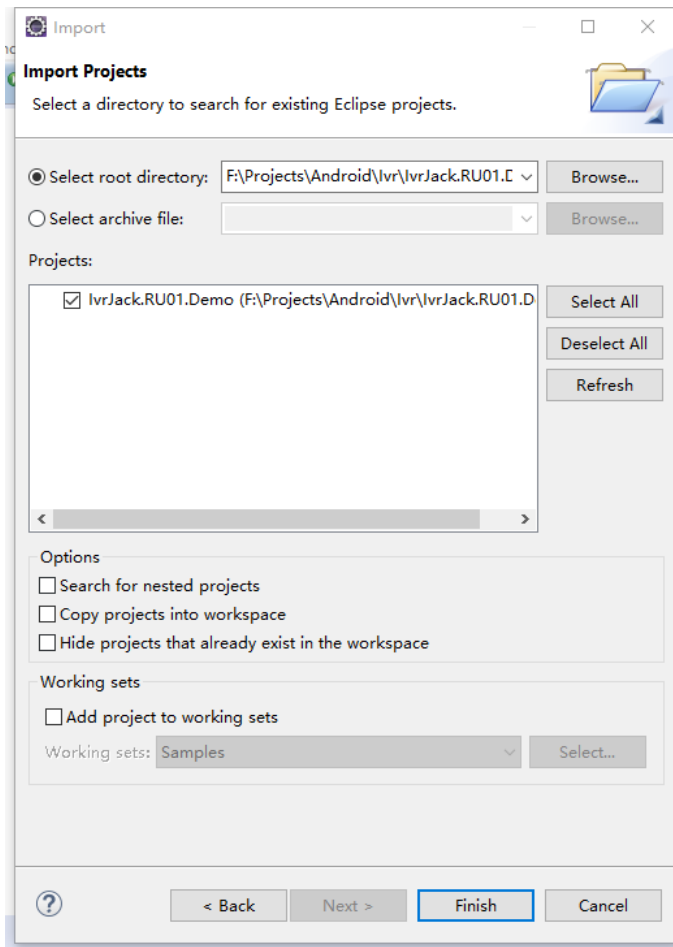


Figure 12

Open the project successfully with the interface as follows:

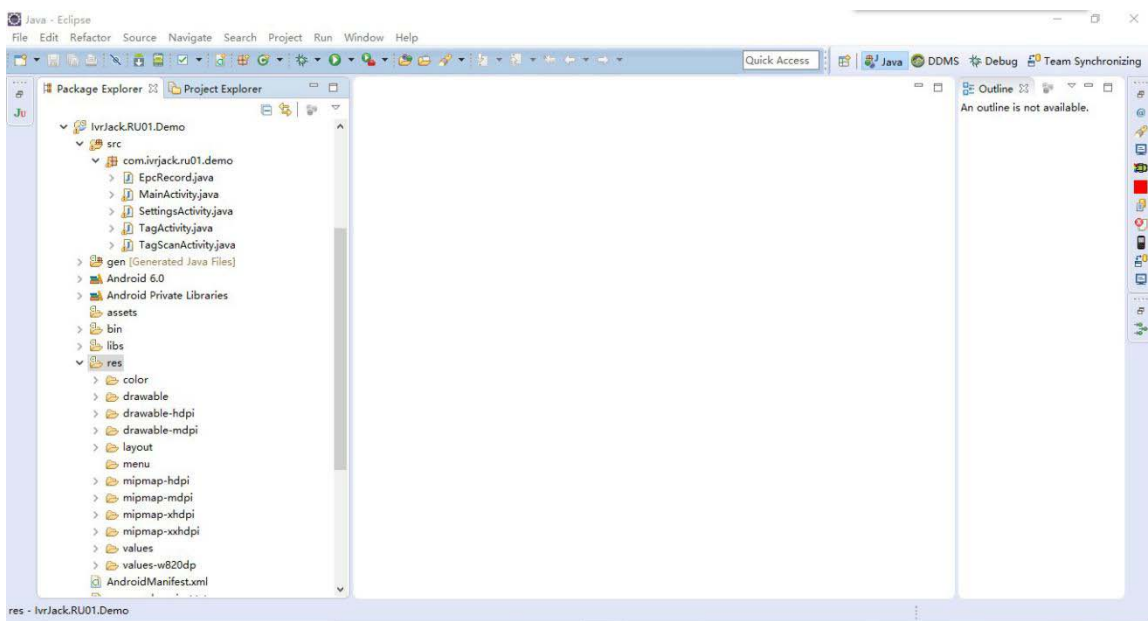


Figure 13

Right click the project, select “Run As”-“Android Application” and your phone, and click OK until it is compiled successfully. At this time, the demo software has been installed on your phone.

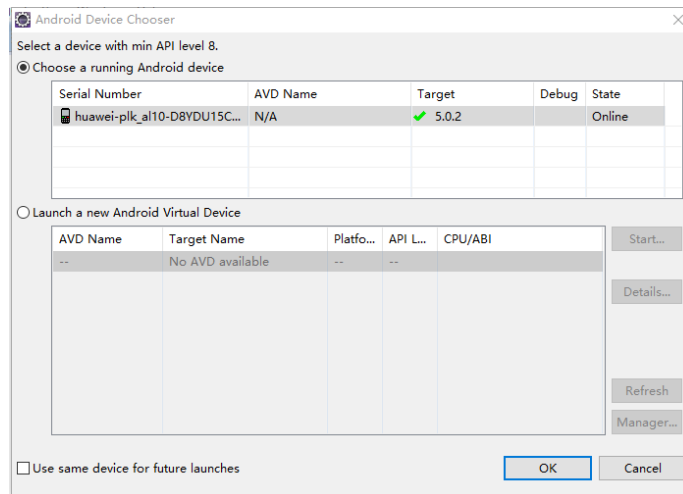


Figure 14