



Digital Logic



# Using Android uFR Library Version 1.1



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## Get Android uFR Library

Follow the instructions below to get library.

1. Navigate to <https://www.d-logic.net/code/nfc-rfid-reader-sdk/ufr-lib>
2. Download or clone urf-lib repository.
3. Open folder Android and locate 'uFCoder.aar' file.

## Include uFCoder in Android Studio project

Follow the instructions below to include library in your Android project.

1. Create new or open existing Android project.
2. Open project folder in File Explorer.
3. Navigate to "<MyProject>/app" directory.
4. Create new folder 'libs'.
5. Copy "uFCoder.aar" file into "libs" folder.

## Build Gradle configuration

Follow the instructions below to configure build gradle for using library.

1. Open build.gradle file (the one under 'app')
2. Add **implementation files('libs/uFCoder.aar')** under dependencies.
3. Click on sync now button to sync project with Gradle files.

## uFR library usage example

```
package com.dlogic.example;

import com.dlogic.uFCoder;

public class MainActivity extends AppCompatActivity {

    static {
        System.loadLibrary("uFCoder"); //Load uFCoder library
    }

    int status;
    uFCoder uFCoder; //Create uFCoder class instance

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        uFCoder = new uFCoder(getApplicationContext(), this);

        status = uFCoder.ReaderOpen();
        //if you wish to use internal Android NFC reader use the following line instead of ReaderOpen():
        // status = uFCoder.ReaderOpenEx(5, "", 0, "");

        if(status == 0x00)
        {
            status = uFCoder.ReaderUISignal((byte) 1, (byte)1);

            byte card_type[] = new byte[1];
            byte uid[] = new byte[10];
            byte uid_size[] = new byte[1];

            s = uFCoder.GetCardIdEx(card_type, uid, uid_size);
        }
    }
}
```

## Revision history

Date	Version	Comment
2021-11-22	1.1	uFR library usage example updated.
2019-06-26	1.0	Base document