**Receiver Block Code:**

//#include <DFRobotDFPlayerMini.h>

#include "DFRobotDFPlayerMini.h"

#include <SoftwareSerial.h>

//SoftwareSerial GSerial(11,12);

SoftwareSerial DFSerial(2,3);

#include <LiquidCrystal.h>

LiquidCrystal lcd(4,5,6,7,8,9);

int buzzer=13;

DFRobotDFPlayerMini myDFPlayer;

unsigned long previousMillis=0;

char rec=0;

void setup()

{

lcd.begin(16, 2);

lcd.setCursor(0, 0);

lcd.print("Navigation Sys.");

lcd.setCursor(0, 1);

lcd.print("using LiFi");

pinMode(buzzer, OUTPUT);

digitalWrite(buzzer, LOW);

Serial.begin(400);

//GSerial.begin(400);

DFSerial.begin(9600);

//Serial.println("Lifi Rx");

delay(2000);

if (!myDFPlayer.begin(DFSerial))

{

while(1)

{

digitalWrite(buzzer, HIGH);delay(200);digitalWrite(buzzerLOW);delay(200);

}

}

myDFPlayer.setTimeOut(500);

myDFPlayer.volume(30); //Set volume value. From 0 to 30

myDFPlayer.outputDevice(DFPLAYER\_DEVICE\_SD);

myDFPlayer.playFolder(1,1);

lcd.clear();

previousMillis = millis();

}

void loop()

{

if(millis() - previousMillis > 5000)

{

rec = 0;

lcd.clear();

}

if(Serial.available() != 0)

{

rec = Serial.read();

if(rec=='A')

{

digitalWrite(buzzer,HIGH);delay(100);digitalWrite(buzzer, LOW);

lcd.clear();

lcd.setCursor(0,0);

lcd.print("Koturpuram Signal");

lcd.setCursor(0, 1);

lcd.print("R:CEG L:Adyar");

myDFPlayer.playFolder(1,2);

delay(3000);

previousMillis = millis();

rec = 0;

lcd.clear();

}

if(rec=='B')

{

digitalWrite(buzzer, HIGH);delay(100);digitalWrite(buzzer, LOW);

lcd.clear();

lcd.setCursor(0,0);

lcd.print("Chennai Ctrl.");

lcd.setCursor(0, 1);

lcd.print("R:GH Rd L:Park");

myDFPlayer.playFolder(1,3);

delay(3000);

previousMillis = millis();

rec = 0;

lcd.clear();

}

if(rec=='C')

{

digitalWrite(buzzer, HIGH);delay(100);digitalWrite(buzzer, LOW);

lcd.clear();

lcd.setCursor(0,0);

lcd.print("P-LIBRARY");

lcd.setCursor(0, 1);

lcd.print("L:Hut R:Hotel");

myDFPlayer.playFolder(1,4);

delay(3000);

previousMillis = millis();

rec = 0;

lcd.clear();

}

}

}