

```

/*****
Flexible 4-Port Sequencer Version 1.0

Designed by Dennis Kidder W6DQ 5 Jan 2014

This sketch when used with the purpose-built hardware described in the
book, "Arduino Projects for Ham Radio," will provide a completely
configurable sequencer. Two sets of two arrays configure the ON sequence
the OFF sequence and the delays between each step. This allows the ON
and OFF sequence order to differ along with the ON and OFF times for each
step through sequence.
*****/

/*****
The following four lines of code allow the user to configure the ON and OFF
sequence and delay times for each step. The default configuration turns
the relays on in the sequence "1,2,3,4" (represented logically by digital
IO pins 0, 1, 2, and 4) and to turn them off in the reverse order "4,3,2,1."

The delay between steps is expressed in milliseconds and the default is 50.
The order of the values in the array corresponds to the order in which the
relays are turned ON or OFF.
*****/

#define DEBOUNCEDELAY 10

int relayPin[] = {0,7,6,9}; // order to sequence relays on
int onDelay[] = {50,50,50,50}; // ON times in sequence

int relayPinOff[] = {9,8,7,6}; // order to sequence relays off
int offDelay[] = {50,50,50,50}; // OFF times in sequence

int inputInd = 13; // pin 13 drives the input indicator LED
int pttInput = 10; // pin 5 is the PTT input

int arrayElements = (sizeof(relayPin) / sizeof(relayPin[0])); // elements

void setup()
{
  for(int index = 0; index < arrayElements; index++)
  {
    pinMode(relayPin[index], OUTPUT);
    pinMode(inputInd, OUTPUT);
    pinMode(pttInput, INPUT);

    digitalWrite(pttInput, HIGH);
  }
}

void loop()
{

```

Listing 12-2 Sequencer program for Arduino.

Arduino Projects For Amateur Radio

Glen Popiel



Arduino Projects For Amateur Radio:

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More Arduino Projects for Ham Radio 1st Ed Glen Popiel, 2017-04-17 Building on the success of Arduino for Ham Radio this book More Arduino Projects for Ham Radio includes 15 completely new practical and functional Arduino projects for the ham shack This time we branch out to use some of the newer Arduino variants and devices Each project is complete and functional as is but room has been left for you to add personal touches and enhancements That s part of the fun of the Arduino and Open Source communities building on the work of others and then sharing your designs and innovations for others to learn modify and improve Amazon com Best of Arduino Projects for Ham Radio The American Radio Relay League Inc, 2024-05 arduino projects Arduino for Radio Amateur Applications Glen Popiel, 2024-03-18 *Arduino for Ham Radio* Glen Popiel, 2014 Top 35 Arduino Projects Mehmet AVCU, 2021-11-02 **Ham Radio for Arduino and PICAXE** Leigh L. Klotz, 2013 **Top 65 Arduino Projects** Mehmet AVCU, 2021-11-02 **Top 40 Arduino Projects** Mehmet AVCU, 2021-11-01 **Top 70 Arduino Projects** Mehmet AVCU, 2021-11-02 Top 55 Arduino Projects Mehmet AVCU, 2021-11-01 Top 50 Arduino Projects Mehmet AVCU, 2021-11-01 **Top 60 Arduino Projects** Mehmet AVCU, 2021-11-02 Top 45 Arduino Projects Mehmet AVCU, 2021-11-01 *Microcontroller Projects for Amateur Radio* Jack Jay Purdum, Albert Peter, 2020 Microcontroller Projects for Amateur Radio not only provides all the information you ll need to build projects using Arduino STM32 Blue Pill ESP32 and Teensy 4 0 microcontrollers it teaches you how to create the software that makes them function Even if you don t know the first thing about the C or C programming languages this book will give you a gentle introduction Back cover Top 25 Arduino Projects Mehmet AVCU, 2021-11-02 *The Internet of Things: Do-It-Yourself at Home Projects for Arduino, Raspberry Pi and BeagleBone Black* Donald Norris, 2015-01-30 Build and program projects that tap into the Internet of Things IoT using Arduino Raspberry Pi and BeagleBone Black This innovative

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