

ARDUINO PROJECTS FOR AMATEUR RADIO MCGRAW HILL EDUCATION



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You've arrived at the support page for ARRL's Arduino for Ham Radio by Glen Popiel, KW5GP. Here you will find PDF files for the sketches and libraries that you can print out and study, as well as the sketch and library files themselves for use with the Arduino projects in this book.

Arduino - American Radio Relay League

Arduino is an open-source electronics prototyping platform based on flexible, easy-to use hardware and software. It's intended for artists, designers, hobbyists, and anyone interested in creating interactive objects or environments.

An Arduino Guide - Getting Started For Beginners

Do it yourself CNC projects are popping up everywhere and we decided that we wanted to contribute to the growth.. Here are a few of our design goals: Modular Design – We wanted to do more than just keep cost down.We wanted things to be reusable and up-gradable. (Arduino , Individual Stepper Motor Drivers and more...); Compact Design – Squeezing a 4 axis design into a board the same size ...

Arduino CNC Shield – 100% GRBL Compatible | Protoneer.co.nz

Updated 2018-08-04 . Introduction. This is an open source Arduino based CW (Morse Code) keyer with a lot of features and flexibility, rivaling commercial keyers which often cost significantly more. The code can be used with a full blown Arduino board or an AVR microcontroller chip can be programmed and used directly in a circuit.

Arduino CW Keyer – Radio Artisan

Welcome to the best place to buy Electronic Hobby Kits, Arduino Modules, Transistors, ICs, Resistors, Capacitors, LEDs, Inductors, Amplifier Kits and electronic hardware.

NightFire Electronics - Welcome to the best place to buy

Personal website of Curt Rowlett, home of Labyrinth13 and Strange Beacons

Strange Beacons on Labyrinth13

Updated 2018-02-01. Introduction. This is an Arduino-based rotator interface that interfaces a computer to a rotator or rotator controller, emulating the Yaesu GS-232A/B and Easycom protocols which are supported by a myriad of logging, contest, and control programs.

Arduino Rotator Computer Interface and Controller – Radio

With our electronics kits and components you can master your basic skills then put your new talents to work. Build your own synthesizer. Or how about a digital clock or camera? Or, venture into the exciting realm of wearable electronics!

LEDs | Breadboards | Resistors & Much More!

What we really need for this project is an Arduino board and the datasheet of the ATmega328P. The datasheet is what tells us how the microcontroller works and it is very important to keep it if we want a lower level of control.

Girino - Fast Arduino Oscilloscope: 26 Steps (with Pictures)

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HF Antenna Analyser With Arduino and DDS Module: HiIn this Instructable I'll show you how I built a low-cost antenna analyser which can measure an antenna and display its VSWR over any or all of the HF frequency bands. It will find the minimum VSWR and corresponding frequency for each band but a...

HF Antenna Analyser With Arduino and DDS Module

AMRAD Previous Low Frequency Work. The AMRAD LF website is undergoing some changes and improvements. Most of the information on this page is from our older LF activities during the 1990s and 2000s.

Previous Low Frequency (LF) | AMRAD

This is a list of open-source hardware projects, including computer systems and components, cameras, radio, telephony, science education, machines and tools, robotics, renewable energy, home automation, medical and biotech, automotive, prototyping, test equipment, and musical instruments.

List of open-source hardware projects - Wikipedia

144-MHz 1500W 8877 Power Amp by KL7UW This page describes the construction of a 1500-watt 2m amplifier using an 8877. The design follows the classic W6PO design which is described in the Eimac Notes.

PG1N's HAM Radio Site - 2m Projects - Amplifiers

Homepage van Maarten Ouweland PG1N. "Bottle" Antenna for 145 MHz by RA1TW Any amateur can do the antenna during one hour.

2m Projects - Omnidirectional Antennas - PG1N's HAM Radio Site

This is USB sound card with PCM2902 chip. For the purpose of testing the D / A converters, I built a simple USB sound card with the circuit PCM2902. The card has analog input and output, an electrical S / PDIF output, galvanically separated input and optical input and output TOSLINK. The heart of USB sound card is PCM2902 it is a circuit connection, which is a complete USB codec.

USB Sound Card with PCM2902 - Electronics DIY

The American Radio Relay League (ARRL) is the national association for amateur radio, connecting hams around the U.S. with news, information and resources.

QEXfiles - American Radio Relay League

Amateur Radio Links to websites related to the hobby. Click through the links and see if there is anything here of interest to you.

Amateur Radio Links to websites related to the hobby

If the amateur electrician in you rebels at the thought of a pre-made smart outlet, try building your own. Low-cost hardware like Arduino and Raspberry Pi can get the job done for about the same cost as retail products, but with the freedom to design for your own needs.

Best Smart WiFi Outlets and Plugs | 2019 Listings and Reviews

This project is a solution to power up most of devices or projects requiring dual (+/-) adjustable power supply. The circuit is based on LM317 positive and LM337 negative voltage regulators.

Circuit-Zone.com - Electronic Projects, Electronic

AeroQuad and ArduCopter are open-source hardware and software projects based on Arduino for the DIY construction of quadcopters.; Parrot AR.Drone is a small radio controlled quadcopter with cameras attached to it built by Parrot SA, designed to be controllable by smartphones or tablet devices.; Nixie is a small camera-equipped drone that can be worn as a wrist band.

Quadcopter - Wikipedia

Introduction This page is under perpetual construction. It serves as an online lab notebook, describing a number of original hardware and software projects I've undertaken over the past several years.

John Miles, KE5FX - thegleam.com

The GP-735 is a slim, ultra-high performance, easy to use GPS smart antenna receiver. With -162dBm tracking sensitivity and only 29 second cold start time, the GP735 is a tiny, yet powerful, piece of tech.

GP-735 (56 Channel) - GPS-13670 - SparkFun Electronics

Q: What is Nuts & Volts? A: Nuts & Volts is the leading media brand for those seriously interested in electronics. High quality content is delivered to the hobbyist community via our bi-monthly print magazine, digital edition, website, email, and newsletters. Nuts & Volts magazine is the highest ...