



Animatronics

TERMS OF USE LICENSE AND DISCLAIMER

By: Jim Schrempp, Bob Glicksman, Team Practical Projects

Revision 1.0
3 December 2025

TERMS OF USE

You must read and agree to this entire document. By using any of the plans, instructions, software, documentation, parts lists, CAD files, and/or other material contained in this release package or otherwise released for use with this device, you are agreeing to the terms in this document. If you do not agree, you do not have permission to use any material associated with this device.

We are reasonable people, we hope you are too. If you are not, then you do not have our permission to use any of our plans, our instructions, our software, our documentation, or our web site.

License



The contents of this repository, including but not limited to the items listed below, is licensed under a Creative Commons license Attribution-Non-Commercial 4.0:

- Hardware, including the printed circuit board, and internal and external electronic wiring.
- Software, including Particle/Arduino firmware and all libraries.
- Documentation, including Overview document, user and build manuals, parts lists, source code, schematics, board layout, and CAD files.

To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc/4.0/> or send a letter to Creative Commons, 444 Castro Street, Suite 900, Mountain View, California, 94041, USA.

Copyright

Copyright © 2025 Jim Schrempp, Bob Glicksman, Team Practical Projects. All rights reserved.

The material contained within this release package may not be copied, duplicated, or reproduced in whole or in part using any method, for any reason, or under any circumstances without expressed written permission by the authors. Individuals may download and keep one unaltered copy for non-profit, personal use of the contents.



Safety

Technology and the laws and limitations imposed by manufacturers and content owners are constantly changing. Thus, some of the material provided may result in hardware or software that may not work, may be inconsistent with current laws or user agreements, or may damage or adversely affect other equipment or people.

Your safety is your own responsibility, including proper use of equipment and safety gear, and determining whether you have adequate skill and experience to undertake this project. Power tools, soldering equipment, electricity, and other resources used for this project are dangerous, unless used properly and with adequate precautions, including safety gear. Some illustrative photos do not depict safety precautions or equipment, in order to show the project steps more clearly.

This project is not intended for use by children.

Use of these instructions and documentation is at your own risk. The creators disclaim all responsibility for any resulting damage, injury, or expense. When this device or any of its components is connected to or used with another piece of equipment it is your responsibility to make sure that connecting or using this device or any of its components will not harm the other equipment.

It is your responsibility to make sure that your activities comply with applicable laws, including copyright. Always check the webpage associated with a project before you get started. There may be important updates or corrections! The United States Fire Administration (USFA) has a guide and many simple steps you can take to prevent the loss of life and property resulting from electrical fires. (http://www.usfa.dhs.gov/citizens/all_citizens/home_fire_prev/electrical.shtm)

If you feel uncomfortable or feel unable to safely assemble or use any project or kit then do not assemble or use the kit.

Accuracy of Information

We attempt to ensure that information in this package is complete, accurate and current. However we cannot guarantee that all information is complete, accurate, or current. You must use your own experience and judgment as a guide when assembling this project or using this material. We specifically disclaim any liability or responsibility for failure of this project to be able to be assembled, configured, or to operate correctly, even in the event that the instructions contained in this package are followed precisely. *We are not obligated to provide technical support in the event that you have problems with any of the instructions or documentation contained in this package or downloaded from our website.*

LIABILITY DISCLAIMER

THE CREATORS OF THIS PROJECT MAKE NO REPRESENTATIONS ABOUT THE SUITABILITY, RELIABILITY, AVAILABILITY, TIMELINESS, AND ACCURACY OF THE INFORMATION, DOCUMENTATION, SOFTWARE, PRODUCTS, AND SERVICES PROVIDED BY THE CREATORS OF THIS PROJECT FOR ANY PURPOSE WHATSOEVER. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ALL SUCH INFORMATION,



DOCUMENTATION, SOFTWARE, PRODUCTS, AND SERVICES ARE PROVIDED "AS IS" WITHOUT WARRANTY OR CONDITION OF ANY KIND.

THE CREATORS OF THIS PROJECT AND/OR ITS SUPPLIERS HEREBY DISCLAIM ALL WARRANTIES AND CONDITIONS WITH REGARD TO THIS INFORMATION, DOCUMENTATION, SOFTWARE, PRODUCTS, AND SERVICES, INCLUDING ALL IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. WE EXPRESSLY DISCLAIM ANY LIABILITY WHATSOEVER FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, MEDICAL LIABILITY, LOST REVENUES, LOST PROFITS, LOSSES RESULTING FROM BUSINESS INTERRUPTION OR LOSS OF DATA, REGARDLESS OF THE FORM OF ACTION OR LEGAL THEORY UNDER WHICH THE LIABILITY MAY BE ASSERTED, EVEN IF ADVISED OF THE POSSIBILITY OR LIKELIHOOD OF SUCH DAMAGES.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL THE CREATORS OF THIS PROJECT AND/OR ITS SUPPLIERS BE LIABLE FOR ANY DIRECT, INDIRECT, PUNITIVE, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF USE, DATA OR PROFITS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE USE OR PERFORMANCE OF THIS DEVICE, PROJECT, PRODUCT OR RELATED SERVICES, OR FOR THE PROVISION OF OR FAILURE TO PROVIDE SERVICES, OR FOR ANY INFORMATION, DOCUMENTATION, SOFTWARE, PRODUCTS, AND SERVICES OBTAINED FROM THE CREATORS OF THIS PROJECT, WHETHER BASED ON CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, EVEN IF THE CREATORS OF THIS PROJECT OR ANY OF ITS SUPPLIERS HAS BEEN ADVISED OF THE POSSIBILITY OF DAMAGES. BECAUSE SOME STATES/JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IF YOU ARE DISSATISFIED WITH ANY PORTION OF ANY INFORMATION, DOCUMENTATION, SOFTWARE, PRODUCTS, OR SERVICES OBTAINED FROM THE CREATORS OF THIS PROJECT, OR WEB SITE, OR WITH ANY OF THESE TERMS OF USE, YOUR SOLE AND EXCLUSIVE REMEDY IS TO DISCONTINUE USING THIS MATERIAL. BY USING ANY INFORMATION, DOCUMENTATION, SOFTWARE, PRODUCTS, OR SERVICES OBTAINED FROM THE CREATORS OF THIS PROJECT, OR WEB SITE, YOU AGREE THAT THE CREATORS OF THIS PROJECT WILL NOT BE RESPONSIBLE TO REIMBURSE YOU FOR ANY EXPENSES OR LABOR INCURRED ON YOUR PART IN THE EVENT THAT YOU DISCONTINUE THIS PROJECT OR THIS DEVICE AT ANY TIME OR FOR ANY REASON.

IT IS YOUR RESPONSIBILITY TO VERIFY THE CORRECTNESS OF OPERATION AND THE SUITABILITY FOR YOUR INTENDED USE. THE CREATORS OF THIS PROJECT MAKE NO REPRESENTATIONS ABOUT THE CORRECTNESS OF THE OPERATION OF THIS PROJECT NOR OF THE RESULTS OBTAINED FROM ITS USE.

This project is intended for hobbyist applications and for "do it yourself" assembly and use. The user assumes all responsibility and liability for any damages, injuries or consequences resulting from the



construction, implementation and use of this product or any part thereof.