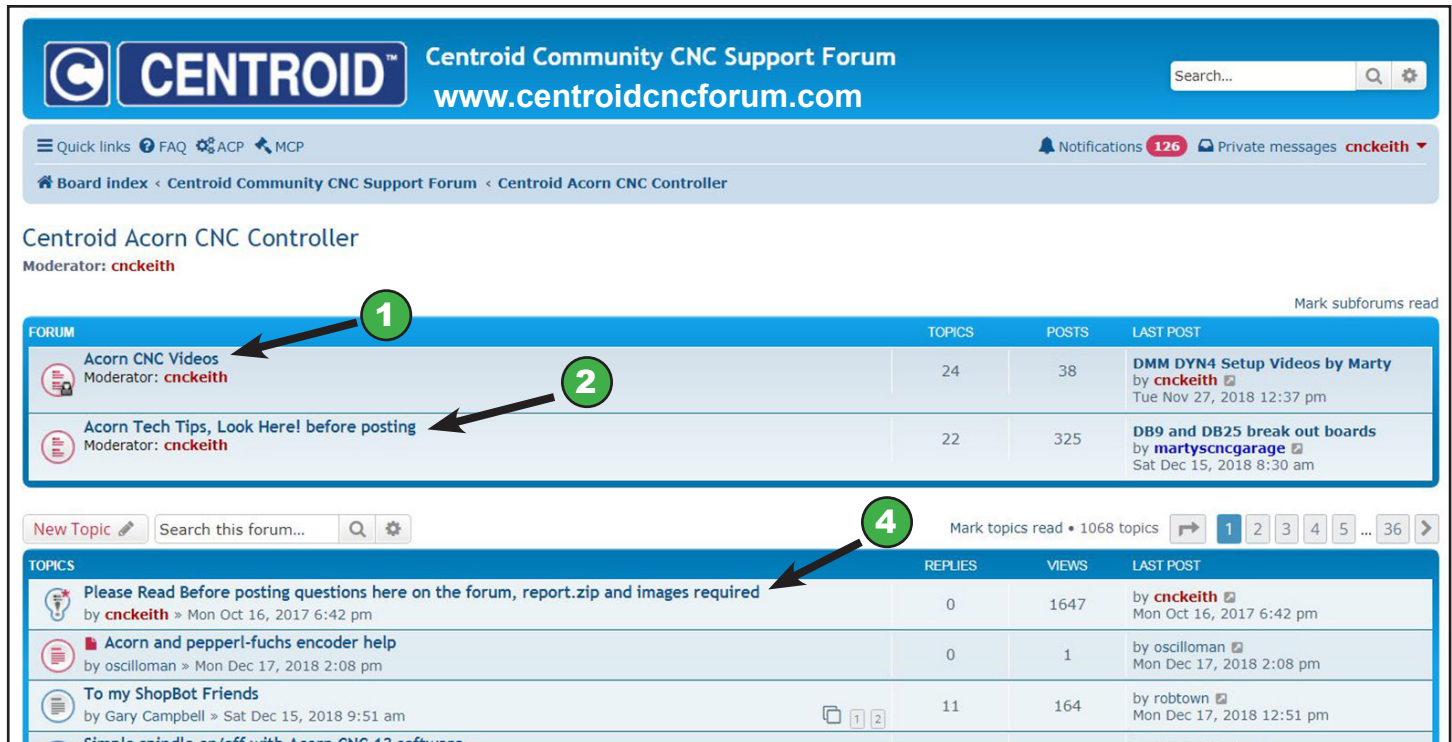


Thanks for purchasing a Centroid Acorn CNC control kit!

To ensure your success, please familiarize yourself with the Acorn technical information available before applying power to the Acorn. There are many man hours of technical CNC details freely available and organized for the Acorn DIY'er to benefit from on the Centroid website and on the Acorn CNC support forum. Below is a guide to that information.

- 1 The number one source of free 24/7 technical information is the Acorn CNC support forum. Before applying power to the Acorn, be sure to follow the Acorn Basics Video series in the Acorn CNC Videos forum. www.centroidcncforum.com



CENTROID™ Centroid Community CNC Support Forum
www.centroidcncforum.com

Quick links: FAQ, ACP, MCP | Notifications: 126 | Private messages: cnckeith

Board Index > Centroid Community CNC Support Forum > Centroid Acorn CNC Controller

Centroid Acorn CNC Controller
 Moderator: cnckeith

Mark subforums read

FORUM	TOPICS	POSTS	LAST POST
Acorn CNC Videos Moderator: cnckeith	24	38	DMM DYN4 Setup Videos by Marty by cnckeith Tue Nov 27, 2018 12:37 pm
Acorn Tech Tips, Look Here! before posting Moderator: cnckeith	22	325	DB9 and DB25 break out boards by martyscncgarage Sat Dec 15, 2018 8:30 am

New Topic | Search this forum... | Mark topics read • 1068 topics | 1 2 3 4 5 ... 36 >

TOPICS	REPLIES	VIEWS	LAST POST
Please Read Before posting questions here on the forum, report.zip and images required by cnckeith » Mon Oct 16, 2017 6:42 pm	0	1647	by cnckeith Mon Oct 16, 2017 6:42 pm
Acorn and pepperl-fuchs encoder help by oscilloman » Mon Dec 17, 2018 2:08 pm	0	1	by oscilloman Mon Dec 17, 2018 2:08 pm
To my ShopBot Friends by Gary Campbell » Sat Dec 15, 2018 9:51 am	11	164	by robtown Mon Dec 17, 2018 12:51 pm

- 2 Be sure to read “Acorn Tech Tips” forum for detailed CNC setup information covering a wide range of common Acorn CNC technical support subjects. Valuable time saving information contained here.
- 3 Links to Acorn CNC Software download, Acorn Schematics download, Specifications manual, Operator Manual can be found on the Acorn CNC controller page.
http://www.centroidcnc.com/centroid_diy/acorn_cnc_controller.html

- 3 [Acorn CNC controller Hookup Schematics](#)
[Centroid Free CNC Mill and Lathe Software Download](#) (Acorn cnc controller must be powered and connected to CNCPC when installing this software! [See this page for install videos](#))
 (Includes: Centroid Free CNC, G-Code Editor, Intercon Conversational Software, Touch Screen Active Operator Control Panel, Acorn CNC configuration Wizard)
[Acorn CNC Controller Specifications Manual](#)
[Acorn CNC controller Setup Video Series](#)
[Centroid Mill Operator Manual](#) (Part setup, Tool setup, Running a Job, Utility Menu, Digitizing, Probing, Intercon, Program Codes, Gcodes, Mcodes, CNC Configuration)
[Centroid Lathe Operator Manual](#)
[Operator Control Methods_Virtual Control Panel_XKeys_Xbox_Keyboard](#)
[CNC Community Support Forum](#)
[Acorn CNC controller buyers FAQ](#)

- 4 To receive timely and specific answers to your questions not already answered in the forum, please be sure to read the guidelines on how to post questions on the forum *before* posting a request for technical support.

Acorn is an educational DIY (do it yourself) product. Centroid makes no warranties or claims of safety or suitability for any application. Any schematics or wiring hookup instructions presented on Centroid's website or in the online forums are incomplete educational examples for discussion only. The user, DIY'er is creating his/her own CNC device, which may include dangerous voltages, powerful motors and resulting dangerous unexpected forceful motion, of dangerous cutters and fast moving heavy machine parts. If you are not qualified to accept all responsibility and/or you do not agree, DO NOT PROCEED.

How to tell the difference between Acorn_rev2 and Acorn_rev3
Acorn_rev2 has FIXED green screw terminal blocks
Acorn_rev3 has REMOVABLE green screw terminal blocks

NOTE

The ADAPT8RLY board connects ACORN outputs #3,4,5,6,7 and 8 to the SainSmart 8 Relay Module.

The 8 relays on the SainSmart module are connected to 6 outputs of the ACORN board. ACORN outputs #7 and #8 are connected in parallel to two relays each on the SainSmart Module.

Please double check the ribbon cable connections before applying power, as it is possible to flip the ribbon cable. Observe the labels on both boards and make sure that the ribbon cable is connected straight between the two boards.

