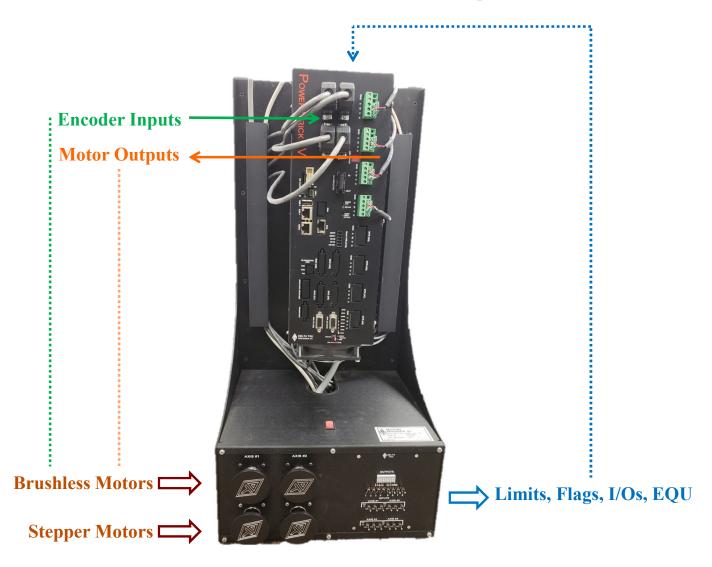
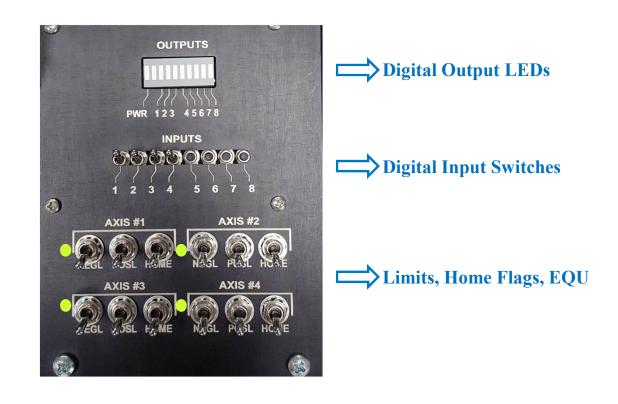


Hardware Overview Power Brick LV

Power Brick LV Training Stand



Power Brick LV Training Stand



Power PMAC CPU

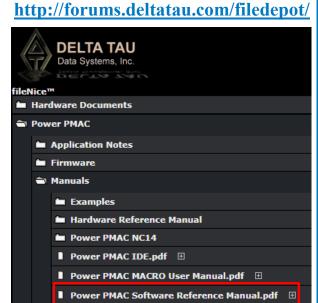
- > The Power PMAC CPU acts as both a dedicated controller and general purpose embedded computer. It is the computing engine for the Power Brick LV.
- > Runs a Linux operating system with a hard-real-time kernel guarantying determinacy of tasks (e.g. phase, servo)
- Large on-board memory
- **→** High speed (1 Gbs) Ethernet communication
 - Multiple ports
 - Optional EtherCAT port(s)
- Device and host USB ports
- > Serial port for diagnostic
- > SD-format flash port
- **PCle expansion**
- > SATA port
- > 32-bit UBUS backplane

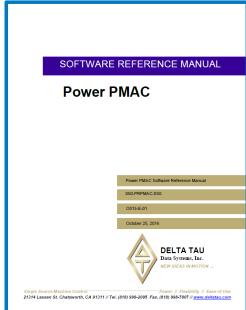
Power PMAC Software Reference Manual

- Command syntax summary
- o Data structures and (control & status) elements
 - Hardware specific (e.g. ACC-24E3, BrickLV)
 - Cam tables
 - Compensation tables
 - Coordinate systems
 - EtherCAT
 - Encoder conversion tables
 - ASIC (Gate)
 - Motors
 - System
- Online commands specifications
- PLC or motion program command specifications
- Script commands and mathematical features
- o I/O offset(s) and memory map







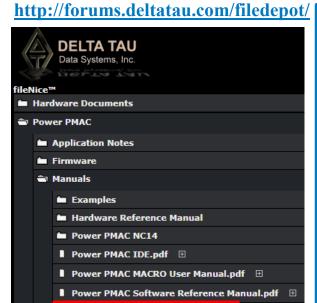


Power PMAC User's Manual

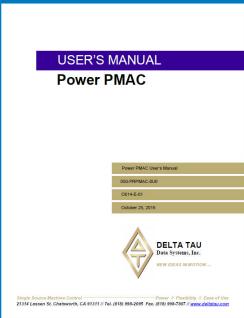
- o Organized by application (features)
- Descending order for new user(s)
- o Progression similar for setting up a machine
 - Overview
 - Communication
 - System configuration
 - Encoder configuration
 - Motor configuration
 - Compensation tables
 - Electronic cam tables
 - Making the application safe
 - Executing moves
 - Setting up coordinate systems
 - Multi-tasking scheme (computational features)
 - Digital and analog I/O configuration / use
 - Writing and executing programs (and C functions)





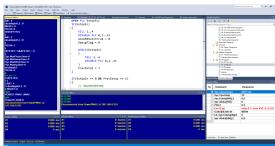


■ Power PMAC Users Manual.pdf 🖽



> Power PMAC IDE User's Manual

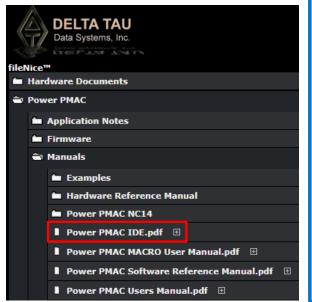
- o General info about the IDE revision history
- Download location
- Communication setup
- Project examples folder(s)
- o IDE layout
 - Utility tools description
- o Project system description
 - File organization
- Other function descriptions
 - Associating motors with user-written algorithms
 - MACRO interface
 - Project upload
 - Debugger

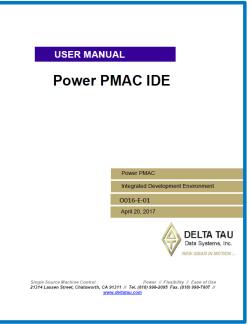












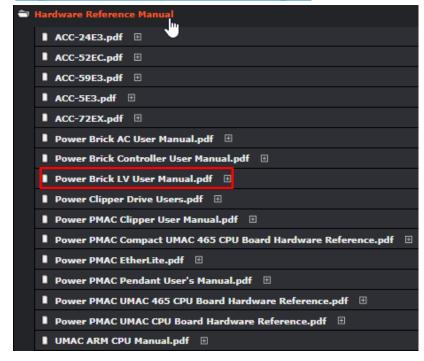
Power PMAC & Gate3 specific Hardware Reference Manuals

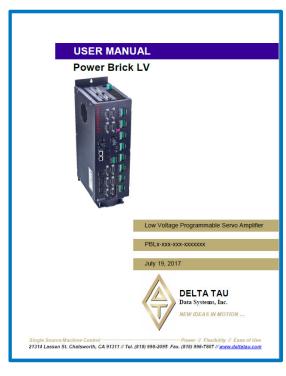
- o Dedicated to a specific Power PMAC product
- Conformity declarations
- Product information
- o Part number designation
- Connector pinouts
- Basic functions configuration
- Troubleshooting techniques
- Jumper configuration
- Addressing scheme(s)





http://forums.deltatau.com/filedepot/





Other Accessory Hardware Reference Manuals

- o Dedicated to a specific accessory (compatible with Power PMAC)
- Conformity declarations
- Product information
- o Part number designation
- Connector pinouts
- Basic functions configuration
- Troubleshooting techniques
- Jumper configuration
- Addressing scheme(s)

http://www.deltatau.com/Manuals/Default.aspx

