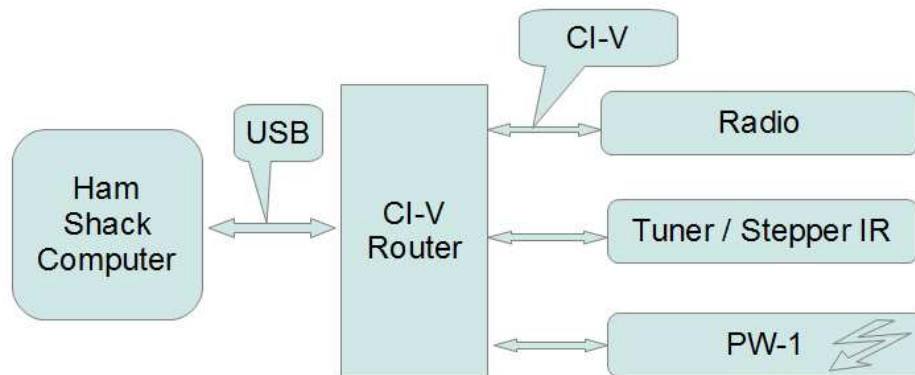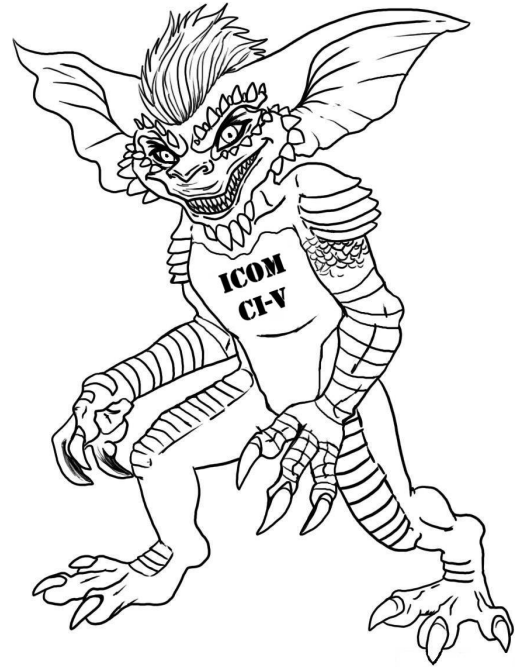# K9JM CI-V Router

www.k9jm.com/civ.html

Cures the Gremlin in your ham shack when controlling your Icom® equipment using CI-V

The K9JM CI-V Router is a small 16 MIPs computer that provides store and forward for Icom® CI-V messages to four ports. One port is a high speed USB port for the host computer and three CI-V ports.   Rather than having all Icom ® messages being sent on a single wire bus, the computer routes messages to the proper bus, eliminating collisions that causes collisions. Provides an intelligent replacement for the Icom® CT-17 and more.
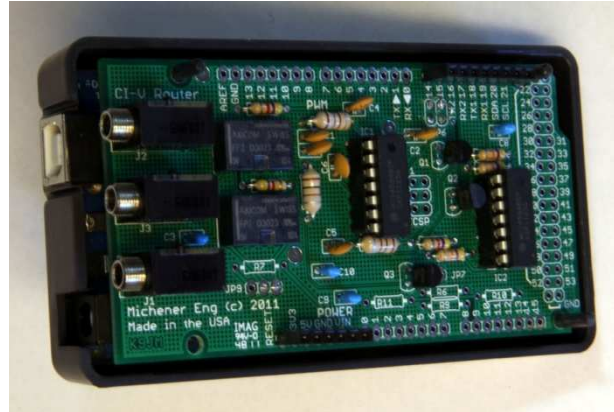

Features:

- High speed bi-directional USB interface to host computer. Supports Windows, Linux and Mac.
- Three isolated CI-V ports
- Powers from USB or an external supply
- Eliminates collisions and erratic behavior of the Icom® CI-V bus
- Host software independent.
- Relay by-pass permits communication without power
- Host computer need not be operational

The K9JM CI-V Router is an open source hardware and software project. Source code, schematics, parts list, full details and pre built software is available on the website.   It is based on the Arduino Mega 2560, open sourced hardware development board.   Free lifetime software upgrades as changes and features become available. Source code is available for customization.   The system is easily customizable to more than just Icom ® message routing.   It easily can provides the ability to do table driven band decoding

Extensive documentation on line, including a large user guide, description of design tradeoffs and detailed design information available. Also on line are many links to other amateurs who have dived into the taming the CI-V gremlins.

 K9JM is currently selling two items.   Either just the CI-V router shield board, or a complete CI-V Router. Order on line through PayPal at www.k9jm.com/civ.html

> CI-V Arduino Mega shield board, built test and ready to plug in.
> > or
> Full up CI-V Router, which includes the following:
> 1. Arduino Mega 2560 Rev 3 board
> 2. CI-V Router Board
> 3. USB A male to B male cable
> 4. Plastic enclosure
> 5. Universal AC power supply, provides 9volts regulated at 300ma
> 6. Assembled and tested.

Unconditional 30 day warranty. Any reason it doesn't work out, send it back. One year replacement warranty on the CI-V board.   Arduino warranty on the Arduino board.

Specifications:

Computer interface: USB 1.0 - Windows / Linux / MAC drivers
CI-V Ports: 3 isolated ports
Baud rates supported : 300, 1200, 2400, 4800, 9600, 14400, 19200, 28,800, 38,400, 57,600, 115,200
Power: Either through USB, or with an external supply, 7 - 13.8 volts @ 110ma.

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