Release Notes
CI-V Router Version *1.07*

This release of software adds a new configuration parameter called "Transceive msg to USB" and a renaming of the "Transceive" parameter to "Transceive msg to other radios".   The new configuration menu is shown below:

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Version 1.07 August 16, 2012
Free memory: 6242

Config CI-V Router
1 -Computer baud rate = 38400
2 -CI-V baud rate = 9600
3 -Transceive msg to other radios = False
4 -Transceive msg to USB = False
5 -USB Echo = False
6 -Subswitch = False
Which parameter to change?
```

Background:

All Icom radios have a setting called "Transceive" on/off. When on, the radio sends a "transceive" message on the CI-V whenever the frequency or mode changes. For example, these messages are sent when the dial is turned or the band is changed. These messages are used to quickly have a slave device (eg. PW-1 or SteppIR) respond to a radio status change. It also is used by Icom radios, such that if "Transceive" is on, another radio will follow to the same frequency, thus multiple radios can be tuned in unison, or in a "Transeive" like operation.

If you are using the CI-V router, you have other devices on the bus that need the "Transceive" to be on in the radio. As a user, you want "Transceive" to be enabled in the radio.

What the new setting does:

When "Transceive msg to USB" is true, transceive messages are passed on to the USB port. This is how all previous versions of the CI-V firmware operates. If this setting is off, transceive message are not passed on to the USB port.

Why the new setting:

There are PC contest/logging programs that want the Icom radio "Transceive" to be set **OFF**. This new setting permits the radio to have "Transceive" enabled in the radio, and have the router not pass these messages to the PC contest/logging program. Keeping both the PC contest/logging program and the slave Icom equipment happy.

Specifically N1MM:

http://n1mm.hamdocs.com/tiki-index.php?page=Supported+Radios#General_Icom_Information_all_Icom_owners_please_read

The N1MM manual states that users shall " "CI-V Transceive" to OFF - If CI-V is set to ON, the

Bandmaps will not update as the VFO is turned."

This statement is true. If N1MM gets "Transceive" messages, it really slows down the band map.

To fix this problem, it is advised to leave "Transceive" on in the radio, but turn off "Transceive msg to USB" in the router.

I have observed that most PC logging programs are not adversely effected by not receiving transceive messages. I would be interested in hearing about any problems users notice.

How to get the new software?:

As always, the latest software is available at the software download page:

http://k9jm.com/CIV_Router/download.html

Click on the link "Pre built – Ready for downloading to the Arduino Mega 2560" and follow the instructions on the page.

Upgrading is quick and painless.

Acknowledgements:

I would like to thank Bill Hider, N3RR, for pointing out this problem and working with me to resolve this issue. It is the community of users that greatly helps improve this product. Thanks you Bill for your brilliant sleuthing, and thank you all for your feedback.