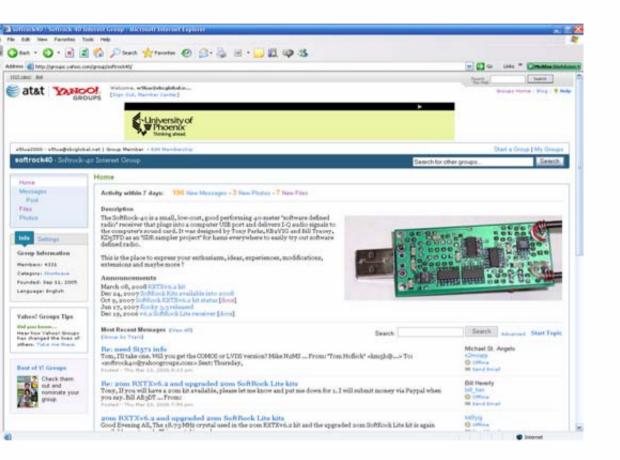


# SoftRock RXTXv6.2 for 10 Meters

Al Ward W5LUA March 15, 2008

## http://groups.yahoo.com/group/softrock40/



The Yahoo SoftRock40 web site is a wealth of information for building all versions of SoftRocks

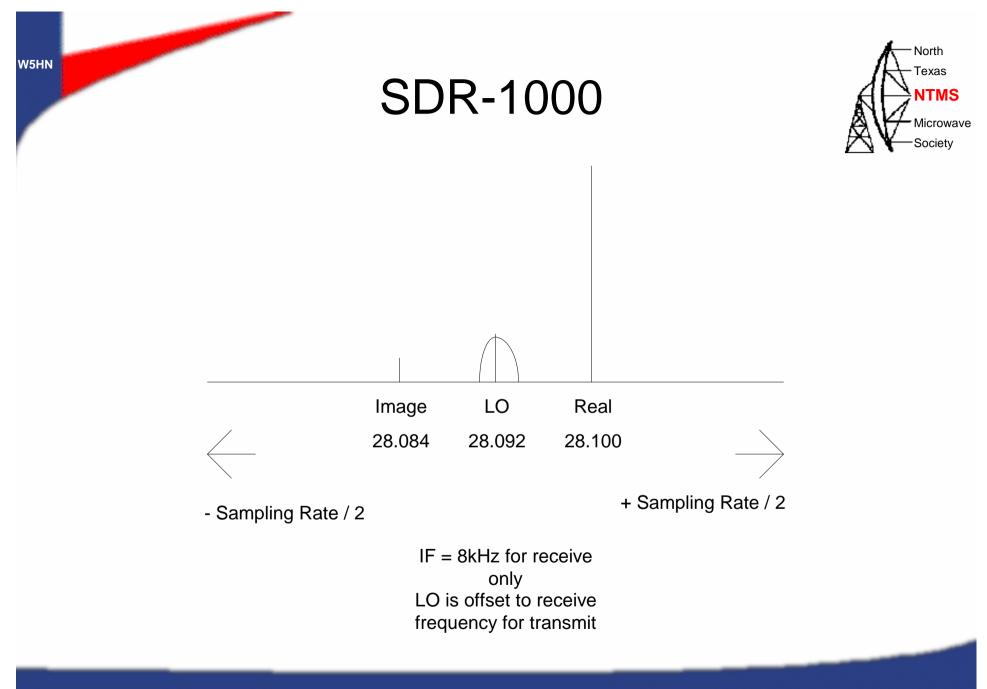
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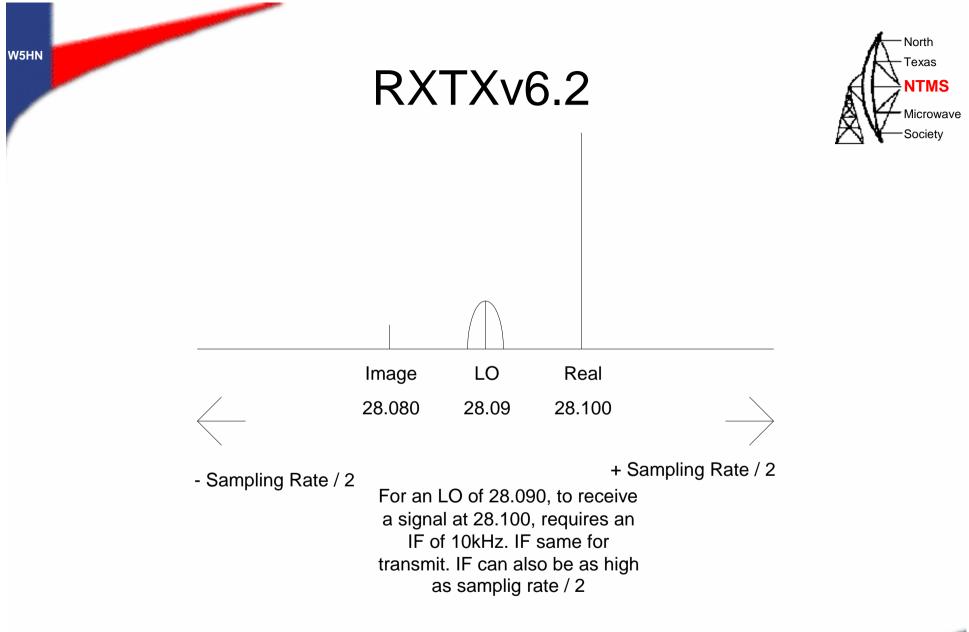
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Note: Can NOT use standard Flex-Radio software

## RXTXv6.2 for 10Meters



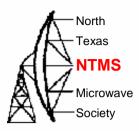
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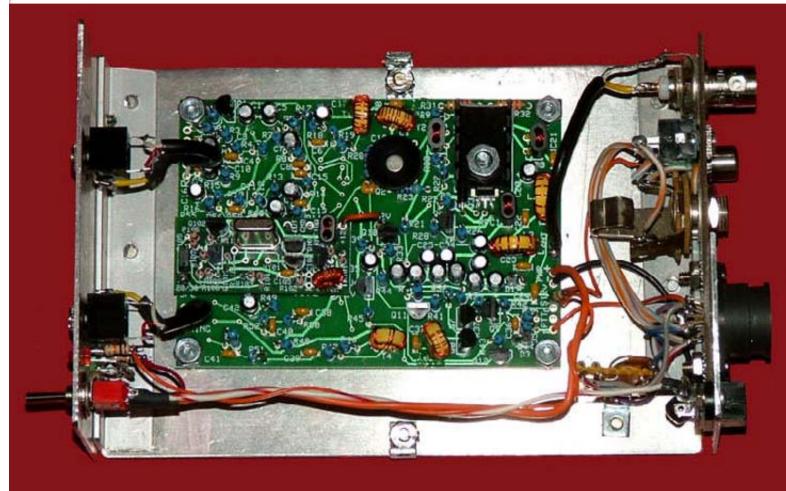
Produced by Tony Parks – KB9YIG Cost \$50

Just add soundcard and computer Runs 1 watt @ 28 MHz, all modes supported by software

Builders notes by WB5RVZ on SoftRock web site were invaluable during assembly

# K0AWU's RXTXv6.2 Installation

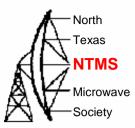


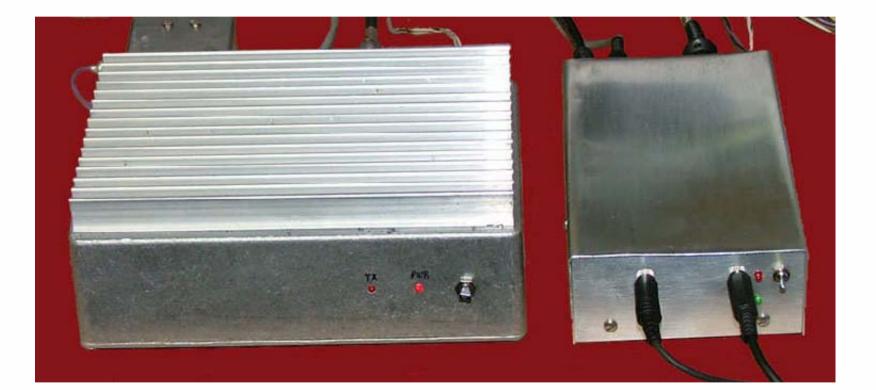


Bill's assistance was also invaluable during assembly

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# K0AWU's Setup for 2M/MW IF Using RXTXv6.2 from KB9YIG

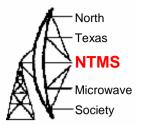




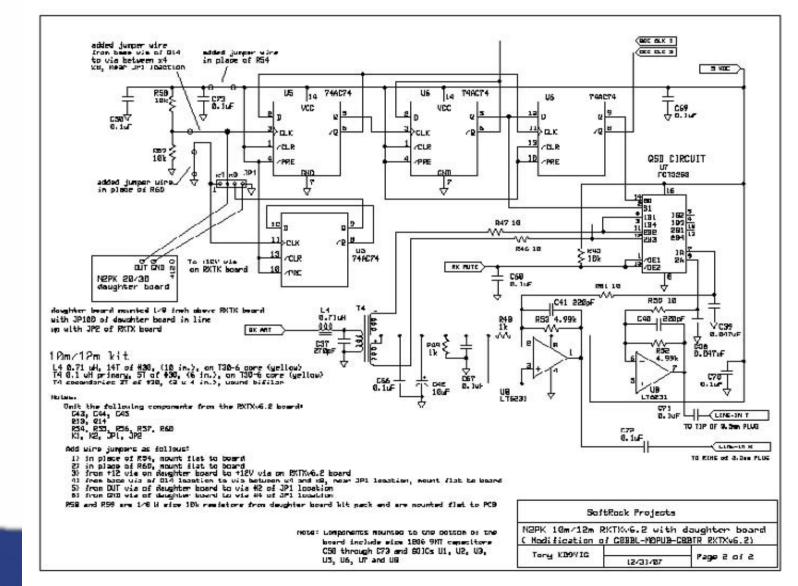
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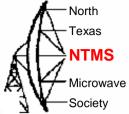
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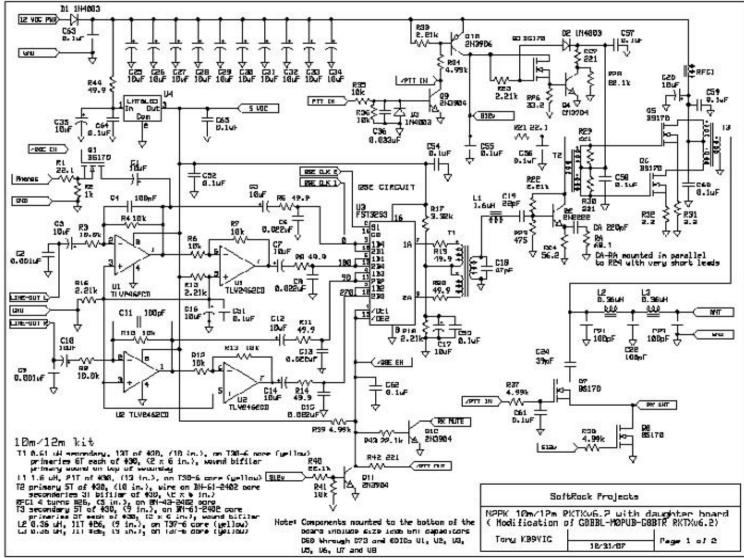


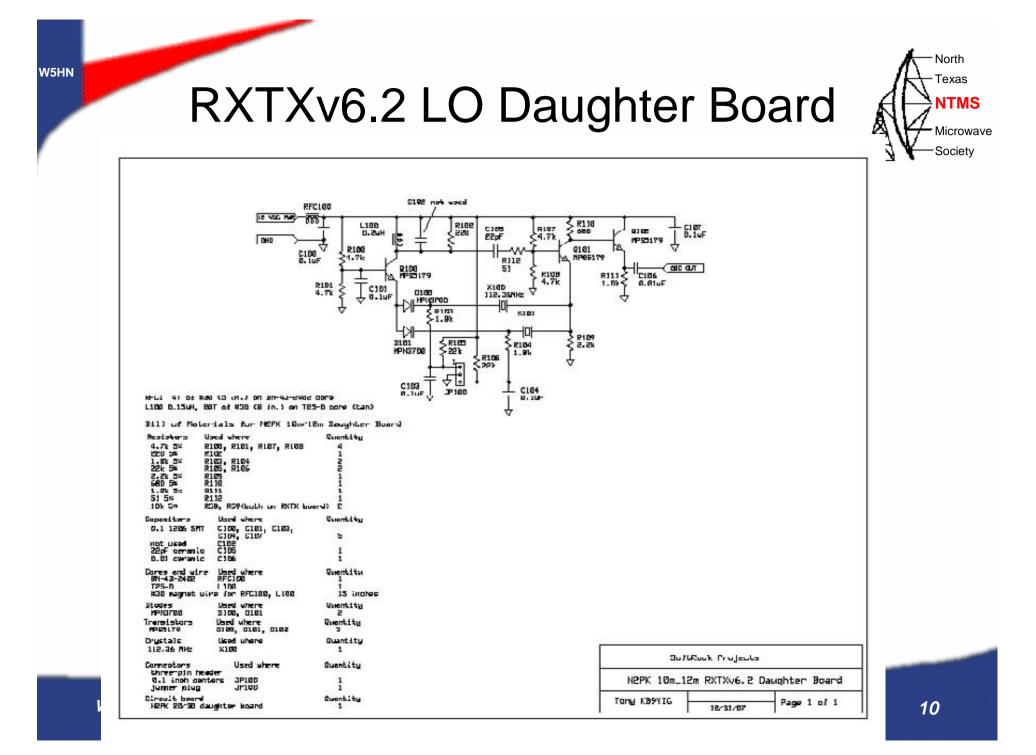
## **RXTXv6.2** Receiver Section



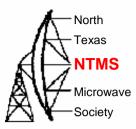


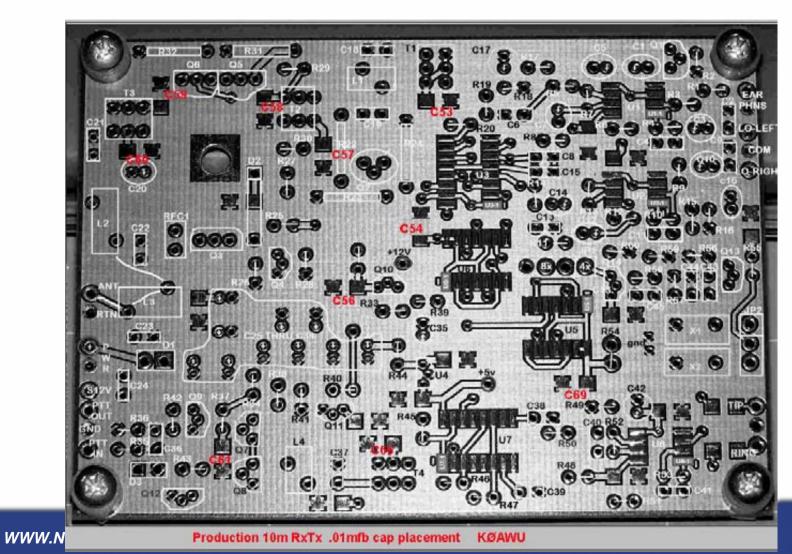
## RXTXv6.2 Transmitter Section





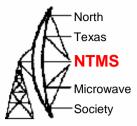
# Location of 10 .01uF chip capacitors on 10M version





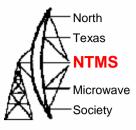
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KOAWU's Web Site



		J's Amateur Radio Web Page , VHF/UHF Weak Signal Operations From	EN37ed	»	
	KØAWU Pages	KØAWU Activity	Weak Signal Links		
	Who Is KØAWU ?	Updated Recent KØAWU News 02/17/00	Ping Jockey WSJT Chat		
	KØAWU Past & Present	Updated 144 Meter Grid Map 01/04/07	50 Mhz Prog Logger		
	KØAWU's Station Equipment 01/23/07	updated 222 Mhz Grid Map 10/15/05	2 Meter Prog Logger		
	KØAWU Tower & Antennas	Updated All Grid Maps 07/18/07	Tropo Map Live		
	KØAWU Family Page	updated 2 Mtr & Above Activity enside	Tropo Forecast Map		
	KØAWU Amplifiers 4/17/03	WSJT EME	K-Index & AU Circle		
Í	KØAWU 10Ghz Stations 9/25/06	WSJT Meteor Scatter	Misc. Links		
	KØAWU SDR Pages	10Ghz Rainscatter/Tropo 06/26.07	The DXer		
		Look up callsign at Buckmaster			
		ters VUCC 2 Meters VUCC eters WAS 432Mhz VUCC			

KOAWU's Web Site



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KØAWU's -- Software Defined Radio Pages -- - Microsoft Internet Explorer

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### Address a http://www.geocities.com/en37ham/

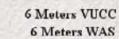
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KØAWU Main Pages	KØAWU SDRs	SDR & Misc Links
Who Is KØAWU ?	updated SoftRock 144Mhz IF usus	SoftRock Yahoo Group
KØAWU Past & Present	SoftRock 80/40m RxTx 02/07	SoftRock SDR Blog
12 112 ( <b>2</b> 117)	SoftRock 40/30m RxTx 07/07	MØKGK SDR Software
and the Brand State	SoftRock 10m RxTx 02/08	SoftRock RxTx PowerSD
KØAWU Home Page	SoftRock 144Mhz Rx/Tx 00/00	Rocky SDR Software
1998 <u>-</u> 1996)	SoftRock Interface 02/08	HighPeformanceSDR
	SDR1000 - 2 Meters 02/08	FlexRadio SDR5000 etc
	SDR1000 - VHF/UHF Future	Misc. Links

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Look up callsign at Buckmaster



C 2 Meters VUCC S 432Mhz VUCC

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#### Software Defined Radio -<u>JTRS, SCA</u> Distributed and wireless software infrastructure for

SCA/JTRS... www.prismtechnologies.com

#### **ARIS Software**

Convergent GSM billing, CRM, POS, post pay, prepay, WNP, mediation.... www.billvireless.com

#### **Top Music Downloads Sites**

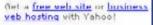
Top 3 Music Download Sites Reviewed. Unlimited, Legal Music Downloads. www.MusicDownloadSource.info-

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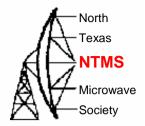
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YAHOO!



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C Back •



## Using Rocky to drive RXTXv6.2

KØAWU Softrock 28Mhz-144Mhz-10Ghz Feb 7, 2008 Tropo at : WØGHZ Softrock 28Mhz-144Mhz-10Ghz

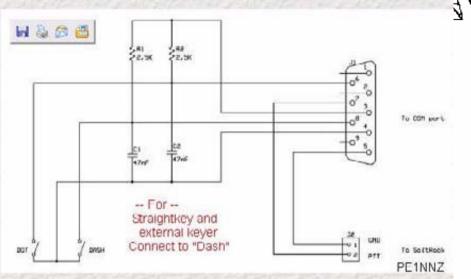
Rocky does not support SSB on transmit

## KØAWU's SoftRock Interface

### Feb 2007 - Softrock Universal Interface

When I first started testing my 80/40m Ver6.1 RxTX I was using MØKGK's Transceiver 1.1 software. Once I had things running I wanted to try some of the other software. I liked Rocky for weak signal operations plus Rocky now has integrated PSK31 which would be fun. PowerSDR has just an outstanding sound to it, I wanted to be able to run it as well.

Some software had a integrated keyer and some require a separate keyer. I needed a universal Softrock Computer interface. Fortunately that was not difficult and the MØKGK software could be configured to where all three programs would be compatible.





My rear panel contains a DIN connector that I use for my serial connections where I can change to various SoftRocks I use, without having to change cables on the back of the computer. The "key common" must be above ground ,so both the paddle connector (1/8" stereo connector) and the straight key/keyer connectors are isolated from chassis ground I did that with a piece of glass circuit board. As long as I was isolating things from ground, I

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# Inside my RXTXv6.2



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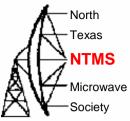
I separated the 10M receive and transmit connectors so that I could add a preamp in front of the 10M receive port to minimize LO radiation back out the receive connector. I also used RCA connectors for line input and line output – Do not use 1/8" stereo plugs. They are nothing but trouble.

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## My RXTXv6.2

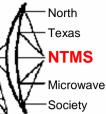


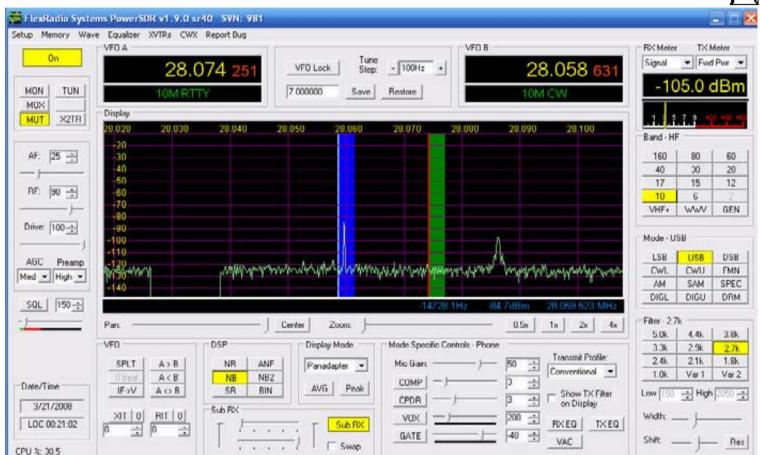




BNCs for 10M rcv and xmit RCAs for line input, output, +12V, and PTT to RS-232

## Special Flex Radio Software by PE1NNZ to run RXTX Board @ W5LUA

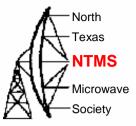




Monitoring AA5C/B on 222.060 while listening for WD5AGO/B on 222.074 and watching 222.100 all at the same time. Nice!

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# SoftRock RXTXv6.2



- I highly suggest the RadioShack Ground-Loop Isolator (pn 270-054) on both the receive and transmit (line in and line out) cables to help clean up spurs
- Thanks to K0AWU for his support during the assembly of my SoftRock!
- Now for a live Demo!
- 73 de W5LUA