Registration for MARS Radio Playdays SDR Buildathon

MARS will hold a Software Defined Radio (SDR) Buildathon on 11 July 2009 at the Carrollton Public Library, Josey Ranch, 1700 Keller Springs Rd, Carrollton, TX.

The Buildathon will be an event in which registered builders (ham license optional) will be able to build a $12.00 Softrock Software Defined Radio receiver kit for the 20m digital data band. Elmers will be present and manning special "work stations" with required test equipment and special skills facilities for SMT soldering and inductor winding and installation. At the end of the day, each builder will have built, tested, and completed a fully functional 20m RX with selectivity and sensitivity rivaling receivers hundreds of times more expensive. For details see the wb5rvz website (www.wb5rvz.com).

In order for the club to better plan and organize for this event, we need to know in advance how many members want to participate in this project. This will allow us to provide the requisite infrastructure and to pre-order the kits so as to have it all ready for the big day.

If you want to join us at the Buildathon and build your very own SDR receiver, please fill in the information below and submit this form, along with your check for $12.00 (to cover the cost of the kit) to Robby WB5RVZ (7205 Cutter Mill, Dallas, TX 75248) before the MARS meeting on May 14, 2009. Detailed Builders instructions are available at www.wb5rvz.com/sdr/sr_lite/

Name:_____ Call:_____

E-Mail:_____ Phone: _____

Address: _____

City/ST/Zip:_____

I have and will bring to the Buildathon the following[1] :

☐ Multi-meter w/leads	☐ Diagonal cutters	☐ 3rd-Hand board holder or Panavise
☐ Temperature-controlled soldering iron (tip no larger than .032")	☐ Wire strippers	☐ Desk lamp with magnifying lens (or headstrap with magnifier and light)
☐ Windows XP/Vista PC with Stereo Soundcard	☐ Fine tweezers	☐ Cookie sheet (8x10 or larger)

I am willing to purchase and bring to the Buildathon th following:

☐ One 3' stereo audio cable with 3.5 mm stereo plug (or 3.5mm stereo panel jack)	☐ One 9V battery and snap cap leads (for the power connection)

Signed:_____

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[1] See next page for builder's station infrastructure

Builder's Station Infrastructure
- o Cookie sheet: 8 x 10 or 11 x 14
- o Soldering Station: .032" or smaller tip
- o DMM
- o Vise/Board Holder/Jig ("third hand")
- o Bright light, with magnification
- o Diagonal Cutters
- o Wire strippers
- o Tweezers recommended
- o 9V battery
- o Power leads (red/black, mate with 9V battery – club can furnish)
- o Stereo cable with stereo mini plug (or stereo jack – club can furnish)
- o RG174 Coax (club-furnished)

Sources for Some of the Tools
- – **Cookie Sheet** – NOT non-stick, Dollar General next to Harbor Freight)
- – Velleman **ESD Solder Station** ([Frys #4825190](#), $19.99)
- – **DMM** ([Harbor Freight 92020-1VGA](#) , $4.99, depending on sales)
- – 3rd Hand Capability
  - – **3rd Hand** (with magnification and light)([Harbor Freight 65779-2VGA](#), $5.99
  - – **Panavise, Jr**., Frys [1917851](#), $24.95; Tanners $24.95
  - – "**Mini Vise**" Velleman VTTV3, Tanners, $3.49
- – Lighting, Magnification
  - – **Lighted, Magnifier Headband**, Harbor Freight [95890-5VGA](#) ($9.99)
  - – **Desktop lighted magnifier**, Harbor Freight 96358-1VGA ($5.99)
  - – **Eye Loupe** set (incl 10X loupe) for super fine inspection, Harbor Freight [47995-2VGA](#), $2.97
- – **Tweezers** ([Harbor Freight 93598-4VGA](#), $4.99)
- – **Diagonal Cutter/Stripper Combo** ([Harbor Freight #97871](#), $5.99