

# K5PA

## Bicycle Mobile

*Just for the Fun of It*



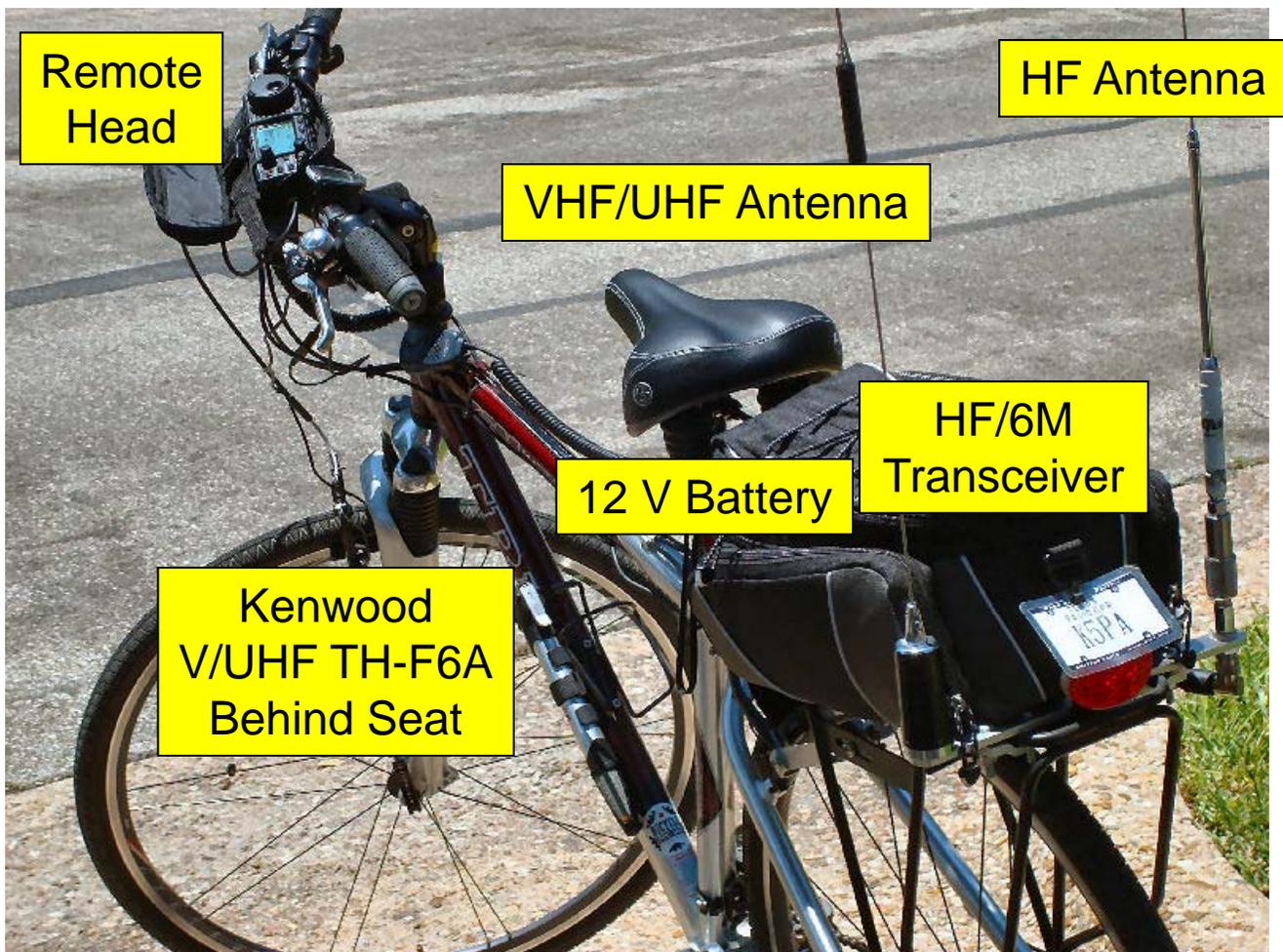
Bicycle: TREK 7500, Multitrack

Rigs: HF/6M, ICOM-703+ w/Remote Head  
& V/UHF, Kenwood TH-F6A

Batteries: A123 Nanophosphate

# Bicycle Mobile

- Major components



# Hardware

- TREK 7500 from Austin Bicycle Sports Shop
- Ham Radio Bag, see URL:  
<http://bicyclesportshop.com/product/trek-deluxe-plus-rear-trunk-bag-39212-1.htm>  
<http://bicyclesportshop.com/product/trek-back-rack-i-ii-23449-1.htm>
- HF and V/UHF
  - Antenna mount similar to MFJ 344. Used a quick disconnect on the HF antenna.
  - The VHF and UHF antenna is a Larsen 1/2 wave for 2 Meters so you don't need a ground plane.  
<http://www.larsen-antennas.com/docfiles/ASB9/SalesSheets/Amateur.pdf>
  - It has an NMO mount so used a bracket for the antenna.
  - HF antenna Hamsticks since they are light weight with a quick disconnect on the HF antenna.
  - If you use the Hustler stainless mast, the weight is a lot on the back end of the bike. Of course any HF is a compromise antenna.  
<http://www.hamstick.com/hfmobile.html>
- Batteries are A123 Nanophosphate Packs  
<http://www.buddipole.com/portablepower.html>

# IC-703+ Transceiver on Handle Bars

- Weather proof bag protects remote head



IC-703+ HF/6M Ham Transceiver  
Control Head Remote From Body

HF/6M Rig's Speaker Hung from Handle Bars  
Mic Hung from S-hook on Handle Bars

# V/UHF Radio Mount

- Kenwood TH-F6A Behind Seat



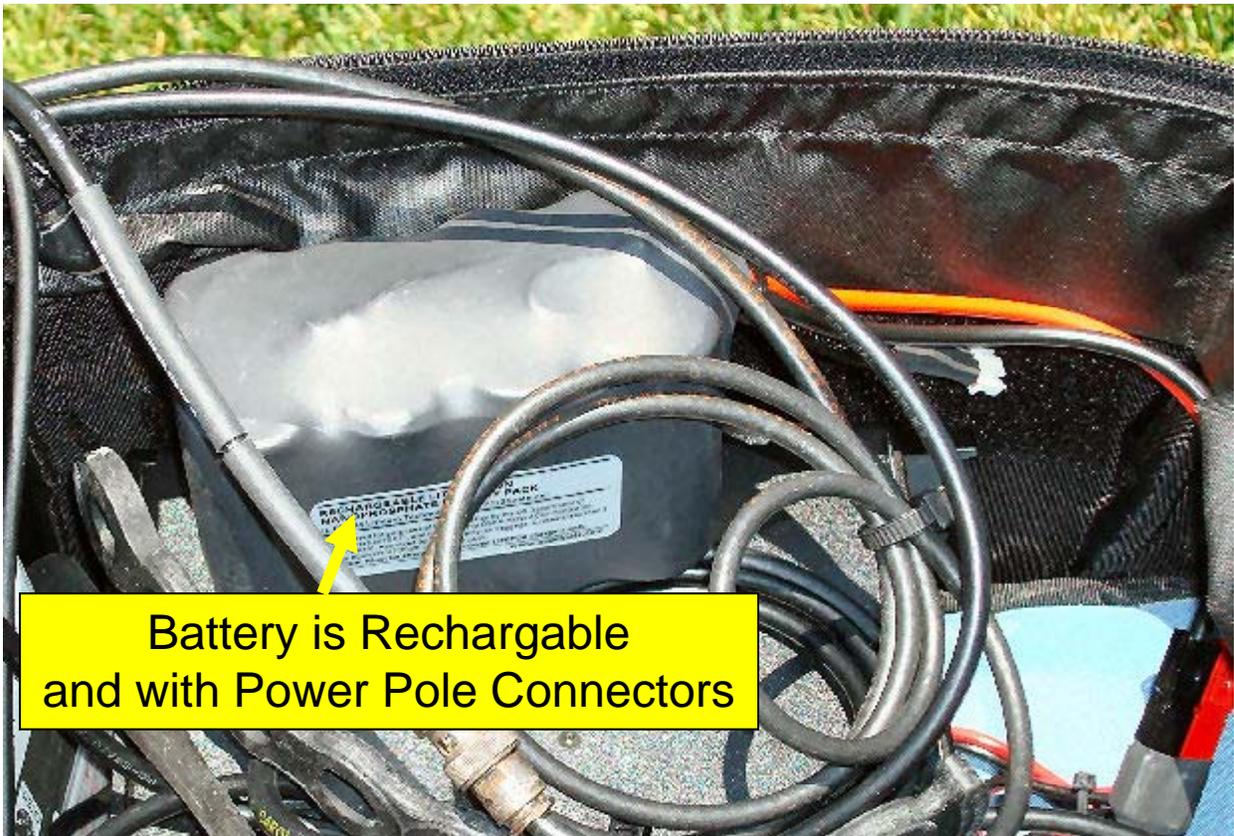
# V/UHF Transceiver Speaker-Microphone

- TH-F6A Speaker-Mic Mounted Just Below Handle Bars for Easy Reach



# Power Source

- Batteries are A123 Nanophosphate Packs, Model 4S2P (4 series, 2 strings parallel) for total of 13.2 VDC at 4.6 Ah



# Power Source

- <http://www.buddipole.com/portablepower.html>

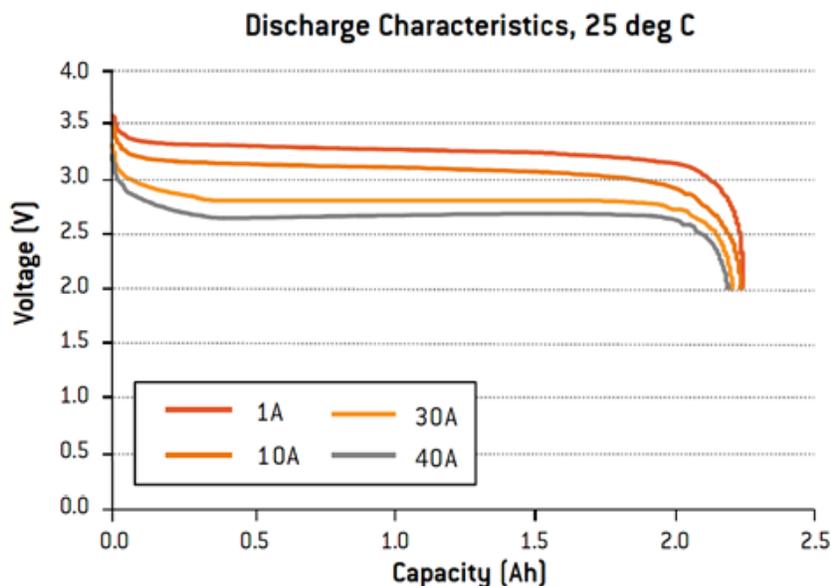
## 4S2P A123 Battery Pack



The 4S2P battery pack has a nominal voltage of 13.2 volts and a total capacity of 4.6 Ah. Capable enough to power a 100 W rig for longer periods of operation than our other packs, and will allow you to run your lower-powered rig for many hours.

All Buddipole battery packs come with an internal self-resetting polyswitch (to prevent short-circuits) and installed Anderson Powerpole connectors. A double layer of heavy-duty heatshrink is applied to provide maximum protection for outdoor use.

<b>Nominal Voltage</b>	13.2 V
<b>Capacity</b>	4.6 Ah
<b>Size</b>	4.3" (110 mm) x 2.25" (57 mm) x 3" (77 mm)
<b>Pack Weight</b>	26 oz (737 grams)



# Antenna Mount for HF and V/UHF

- Rear Mounted Antennae
- HF is a Hamstick
- V/UHF is a Half-Wave Antenna

