

W4IDO-2

Portable Amateur Radio Station Equipment List

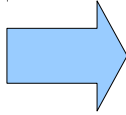
Item	Est. Value	Quantity
Stanley Portable Toolbox	\$30.00	1
TM-V7A (S/N 10500548)	\$400.00	1
TM-V7A Manual	\$19.00	1
TM-V7A Microphone	\$66.00	1
Rigrunner 4005	\$85.00	1
5w External Speaker	\$13.00	1
Battery SRM-27 (~ 85Amp Hour)	\$260.00	1
Battery Spill-Box	\$13.00	1
Pushup Pole & tripod & umbrella base	\$70.00	1
2m/440mHz ¼ wave ground plane	\$40.00	1
50 feet of RG-58 Assembly	\$19.00	1
Ballpoint Pen	\$3.00	3
Snap Light	\$2.00	2
Deck of Cards	\$5.00	1
Folder	\$1.00	1
Clipboard	\$8.00	1
Notepad	\$2.50	1
Radiogram pad	\$4.00	2
ICS-213	\$1.00	1 pack
FSD218 Instructions	\$1.00	1
ICS211p-OS Personnel Check-in	\$1.00	1 pack
Zipties	\$1.00	bunch
Mini Bungie-cords	\$5.00	5
Pencil Sharpener	\$1.00	1
WAEF PR-Stickers	\$5.00	1 roll
Spare Fuses	\$5.00	1 pack
Wrench / Screwdriver / Ratchet Set	\$15.00	1
BNC>PL259 Connector	\$5.00	1
Male PL259-PL259 Male Connector	\$5.00	1
PL259 Ends	\$5.00	2
Misc Hardware/Wire etc for build out	\$10.00	1
<i>Replacement Cost (2012)</i>	<i>\$1,098.00</i>	



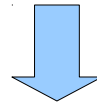
The Battery is rated at ~100 amp Hours. The V7A runs ~1A on RX and ~11A on TX (on 2m high power of 50watts). So we could continuously transmit for ~6 hours, or listen continuously for 100hours. Since we normally actually use this rig both ways, we figure a duty cycle of 33%. Estimated run time is ~23hours. ...at 10% duty cycle, expect ~50 hours. At lower power you can about triple your play time.



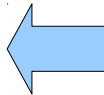
BOS-BOX all closed up.



Remove top half of toolbox. Connect power lines. Return top half of toolbox.



Lift the caddy out, Storage here for manuals, ICS forms and Radiograms, and tools and coax.



Top opened, caddy closed. See the head unit and the mic?



Attach Antenna to extended painter's pole, Attach coax to antenna, Use Umbrella base to hold pole. (Tripod is for insurance).



Flip caddy over, attach head and mic and coax. Settle caddy back into the top. Plug in the battery power to the RigRunner.