



Go Kits

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How to Make **72 Hour Kits** for the Entire Family!



What's a Go Kit?

- Something to grab and go
- Not just Amateur Radio
- May be a case
- May be a list



What are
YOU going
to use a
Go-Kit for?

ARES Deployment

QRP Outing

Backpacking

Contest

Vacation

Container Type



- Plastic/Cloth Bag
- Box
- Tool case
- Rack case
- Shipping container

Is It Functional for Your Needs

Radios

Power

Antenna

Microphone

Headset

Feedline

Extension Cords

Size and Weight

Support your biology requirements

Reliability

It works when
and where
you need it to



Wiring



Radios



Antennas



Feedlines



Improvisation



Interoperability



Instructions

- Depends on your go kit use
- Weight
- Power
- Usability



Radio Mounting

- Mobile Radio Brackets
- Industrial Velcro
- Speaker Orientation
- Operating Position
- Antenna routing
- Accessory plugs commonly used

Antennas and Feedline



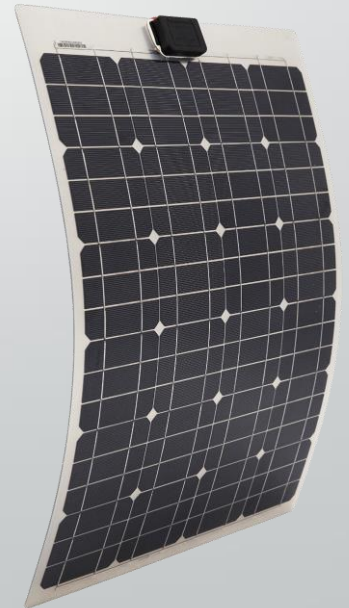
- Antenna Type
- Mounting Requirements
- Feedline
- Connectors



Power Options



- Batteries
 - Sealed Lead Acid (SLA)
 - Automotive
 - Lithium Iron Phosphate (Bienno)
- Generator
- Battery
- Commercial



Wiring

- Keep Red / Black Color code for power
- Capacity ratings
- Powerpole Standards
- Secure wiring
 - Cable wraps
 - Cable ties
- Label wiring



Amps @ 12 Volts	LENGTH OF WIRE American Wire Gauge (AWG)						
	3'	5'	7'	10'	15'	20'	25'
0 to 1	18	18	18	18	18	18	18
1.5	18	18	18	18	18	18	18
2	18	18	18	18	18	18	18
3	18	18	18	18	18	18	18
4	18	18	18	18	18	18	18
5	18	18	18	18	18	18	18
6	18	18	18	18	18	18	16
7	18	18	18	18	18	18	16
8	18	18	18	18	18	16	16
10	18	18	18	18	16	16	14
11	18	18	18	18	16	16	14
12	18	18	18	18	16	16	14
15	18	18	18	18	14	14	12
18	18	18	16	16	14	14	12
20	18	18	16	16	14	12	10
22	18	18	16	14	12	12	10
24	18	18	16	14	12	12	10
30	18	16	14	12	10	10	10
36	16	14	14	12	10	10	10
40	16	14	12	12	10	10	8
50	16	14	12	10	10	10	8
100	12	12	10	10	6	6	4
150	10	10	8	8	4	4	2
200	10	8	8	6	4	4	2

Radio Accessories

Speaker

Watt Meter

VHF/UHF Diplexer

Feed-through

- Feedline
- Power
- Rear Panel Accessories

Mic Holder

Headphone Splitter

Kit Accessories

Power Supply

Lighting

Signalink

Power for other devices

- 12V Powerpole
- 12V Lighter plug
- 5V USB Charging
- Handheld charging

Details



Have wiring properly terminated and routed cleanly

Cable ties
Velcro



Have fuses in the correct location



Power additional radios



Mic hangers



Alternative power sources



Programing Cables



Remote audio for digital operation



Heat dissipation

Watch out
for

Cooling

Tie Wraps

Identification

Stray RF

Oh Yeah

Place for your HT to sit and charge

Drink and food

Clothing

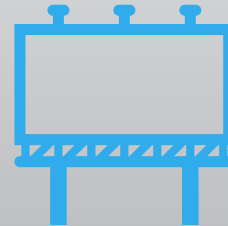
Weather protection

Tools

Computers



User Accounts (what if
someone else uses your
station)



Right ports and/or adapters



Windows Update



The Hardest Part

- Deciding what you want to do

Test, Experiment, Practice !!!



GO TO ANOTHER
ROOM IN THE HOUSE



TAKE IT INTO THE
FIELD



ORGANIZED EVENTS