

# JUMP BOX / GO KITS

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Remember the Boy Scout motto, “Be Prepared”?

Nearly one hundred years ago, a young British Boy Scout asked Sir Robert Baden-Powell, the founder of Scouting, what exactly it was he should be prepared for. B-P's famous answer was,

“Why, for any old thing, of course!”

As an emergency communications volunteer, you never know which challenges an emergency situation will present. You might have ac power, or just the batteries you bring along. Safe drinking water may be available, or you may have only your canteen. Sometimes you find out in advance what sort of conditions will be likely at your assignment, but many times no one will know – particularly during the early stages of and emergency. Therefore, you need to be prepared for every eventuality.

Being prepared for an emergency communications deployment involves a wide range of considerations, including radio equipment, power sources, clothing and personal gear , food and water, information, and specialized training. No two deployments are the same, each region offers its own specific challenges. What is appropriate for rural Minnesota in January probably won't work for urban California in any season.

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# GO KIT – DEFINED

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- Portable

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- Portable
  - Accessible
-

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- Portable
- Accessible
- Ready to {quickly grab and} go

# GO KIT - PURPOSE

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- Who will use this go kit?

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- For what will it be used?

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- Who will use this go kit?
  - For what will it be used?
  - Where will it be used?
-

# GO KIT - PURPOSE

- Who will use this go kit?
  - For what will it be used?
  - Where will it be used?
  - How long will it be used?
-

# CONTAINERS

- From the Bag to the Box



# SIMPLE BAG



# ANOTHER BAG



# A CASE



# ANOTHER CASE



# A BOX



# ANOTHER BOX



# GATOR BOX



# VEHICLE



# GO KIT CONTENTS

- Radio
  - Power Source
  - Antenna
  - Feed line
  - Connectors / Adapters
  - Operating Manuals
  - Forms, Log Sheet, Rosters, Contact Sheet, etc.
  - Other PRINTED Information
-

# PORTABLE - GO KIT



- Hat
- Vest
  - ARES/RACES ID badge
  - Copy of FCC License
  - Pen & pencil
  - Waterproof notepad
  - Programming info for radio

# HANDHELD PORTABLE - GO KIT



- Radio
  - Yaesu VX-7
- Go bag

# HANDHELD PORTABLE - GO KIT



- Radio
  - Yaesu VX-7
    - Quad Band
    - Dual receive
    - Water resistant
    - Wide range receive
- Go bag
  - Manual
  - Antenna's
  - Earbud & mic
  - Extra battery
  - AA battery case & batteries
  - 12v auto charger

# VEHICLE - GO KIT



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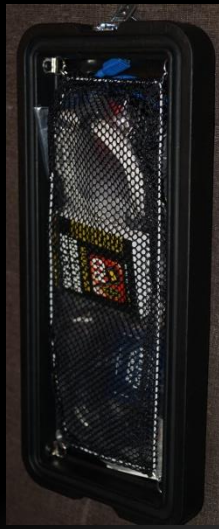


- Radio
  - Car Kenwood TM-D710-G
  - Truck Yaesu FT-350
    - Dual band & receive
    - Cross banding
    - APRS
    - TNC (Kenwood)
- Manual
- Repeater Directory
- TinyTrak4 TNC (truck)

# GATOR BOX – GO KIT

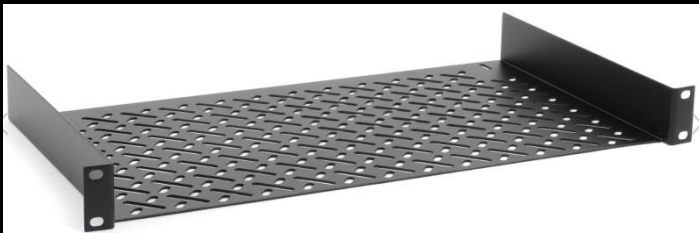


# GATOR BOX



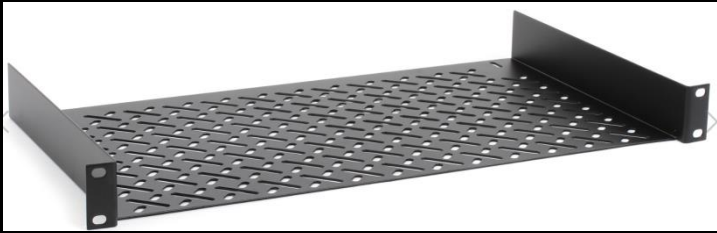
- Gator Box
  - Rugged
  - Enclosed
  - Compact
  - Portable
  - Storage
  - Easy to secure equipment
  - Wide range of options and mounts

# GATOR BOX



- Top shelf
  - Signalink USB
    - Winmor (Winlink Express)
    - Fldigi (digital modes)
  - Yaesu FT-8800
    - Dual band & receive
    - Cross banding
  - SCS PTC-II pro
    - Packet modem (Winlink Express)
    - Pactor modem (Winlink Express)

# GATOR BOX



- Bottom shelf
  - Yaesu FT-897D
    - All mode transceiver
  - LDG AT-897 Plus
    - Auto tuner
  - Turnigy 130a
    - Power analyzer meter
  - Power outlet with USB ports
  - PowerWerx SS-30DV
    - 30amp switching power supply

# GATOR BOX



- Rear of box
  - All cables secured
  - All equipment grounded to bus bar
  - 12v power outlet
  - Anderson power poles on all equipment
  - RIGrunner 4005
    - All power connections fused



# GATOR BOX



- Back Lid
  - Net to secure storage
  - Radio manuals (nifty)
  - Radio data cable (Yaesu ft-897d)
  - USB cables & torrid
  - TinyTrak4 & cables (handheld & 8800)
  - Repeater directory
  - Adapters
  - USB thumb drive with current software
  - USB flexible LED light

# GO KIT - POWER



- 35AH battery
  - Fully charged
- Honda 2000i watt generator
  - Extension cord
  - 12v battery charging cable
  - Manual
  - Fuel
    - Non ethanol
    - Marine fuel stabilizer
      - up to a year

# GO KIT - ANTENNA'S



- Portable go kit
  - Rubber duck
  - Diamond SRH77CA
  - Rollup J-pole
  - Mag mount 2m/440cm
  - Adapters in bag

# GO KIT - ANTENNA'S



- Mounts
  - Metal ground mount
    - Vehicle tire to secure
    - Elevate antenna
    - Different mast sizes
  - Wood base mount
    - Will hold low mast
    - Move by window
    - Does not like moisture



# GO KIT - ANTENNA'S



- Antenna's
  - Diamond X30A
    - 2m/440
    - 4.5 feet
  - Mag mount's
    - 2m/440
  - Painters pole



# GO KIT - COMPUTER



- Computer
  - Power cord
  - Mouse & pad
    - Extra battery for mouse
- Radio data cables
- Notepad
- Logbook
- Pen / pencil
- USB drive with all software, drivers and files

# GO KIT – SUPPORT



- Toolbox
  - Multi meter
  - Soldering iron
  - PL259's
  - Anderson power poles
  - Tape
  - Dummy load
  - Misc tools
  - Etc.

# GO KIT – SUPPORT



- Main box
  - Equipment & antenna information
  - Misc connectors, power cables, & fuses
  - Coax
  - Antenna analyzer
  - Ground rod, hammer & ground strap
  - Solar panel
  - Headphones
  - Power inverter
  - Etc.

# GO KIT – SUPPORT



- Leatherman
- Direction
  - Compass
  - Map
  - GPS
- Extra batteries



# ARES FIELD RESOURCES MANUAL

## Basic Deployment Equipment Checklist

When responding to an emergency event, or even a training exercise, there is a minimum set of equipment and personal gear you should bring with you to get the job done. Basic items include:

- 2-meter hand-held
- 2-meter mag-mount antenna and coax
- Earphone
- Paper and pencil
- ARES ID card
- Extra batteries
- Appropriate clothing
- Food and water

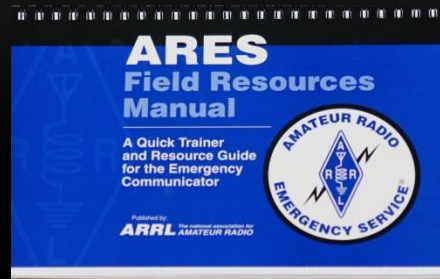
The majority of these items should be kept in a "Ready Kit." Just pick it up on your way out the door for deployment. You might also consider the items on the following list for inclusion in this ready kit, designed to allow you to stay in the field for up to 72 hours.

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## Extended Deployment (72 hour) Equipment Checklist

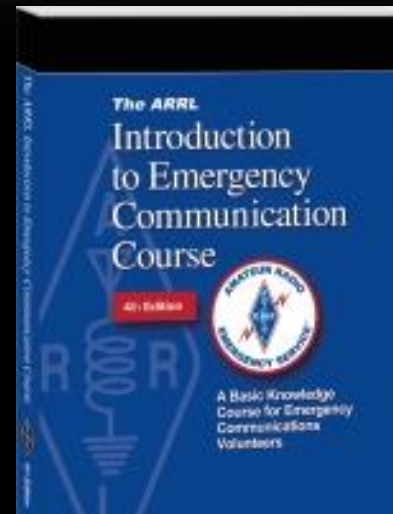
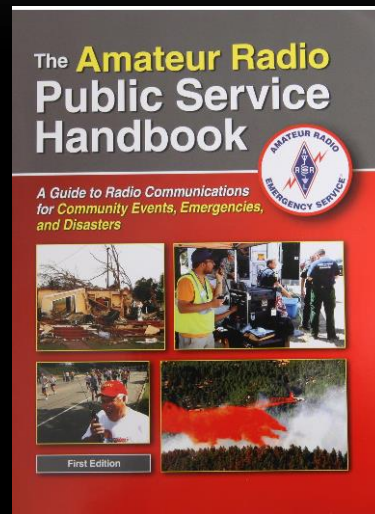
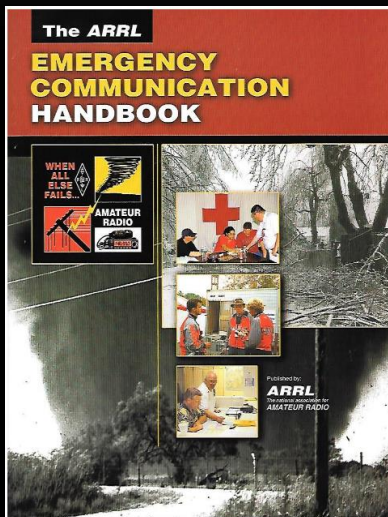
- |   |   |   |
|---|---|---|
| <input type="checkbox"/> 3 day change of clothes                    | <input type="checkbox"/> First aid kit                  | <input type="checkbox"/> RF connectors and adapters                     |
| <input type="checkbox"/> Foul weather gear                          | <input type="checkbox"/> Throat lozenges                | <input type="checkbox"/> Power, audio and other connectors and adapters |
| <input type="checkbox"/> Toilet articles                            | <input type="checkbox"/> Prescriptions                  | <input type="checkbox"/> Batteries                                      |
| <input type="checkbox"/> Shelter (tent and sleeping bag)            | <input type="checkbox"/> Aspirin or other pain reliever | <input type="checkbox"/> Toolbox  |
| <input type="checkbox"/> Portable stove; mess kit with cleaning kit | <input type="checkbox"/> Additional radios, packet gear | <input type="checkbox"/> Soldering iron and solder                      |
| <input type="checkbox"/> Waterproof matches                         | <input type="checkbox"/> Power supplies, chargers       | <input type="checkbox"/> VOM  |
| <input type="checkbox"/> Flashlight                                 | <input type="checkbox"/> Microphones                    | <input type="checkbox"/> Electrical and duct tape                       |
| <input type="checkbox"/> Candles                                    | <input type="checkbox"/> Headphones                     | <input type="checkbox"/> Safety glasses                                 |
| <input type="checkbox"/> Alarm clock                                | <input type="checkbox"/> Patch cords                    | <input type="checkbox"/> Log books                                      |
| <input type="checkbox"/> 3 day supply of water and food             | <input type="checkbox"/> Antennas with mounts           | <input type="checkbox"/> Message forms                                  |
| <input type="checkbox"/> Liquid refreshments                        | <input type="checkbox"/> SWR bridge (VHF and HF)        |   |
|   | <input type="checkbox"/> Extra coax                     |   |

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- Excellent resource information
- Basic operating principles
- Message formats & instructions

# GREAT RESOURCES



# PRACTICE - PRACTICE - PRACTICE

- Practice
    - SET exercises
    - ARES/RACES exercises
    - Setup in the field
      - Find what works and what changes you need to make
      - Practice again
  - Know what your capabilities are
  - Know what is in your kit and how to use it
  - Know how to use and program your radio in the field
  - Practice makes proficient
  - **BE PREPARED!!**
-

The last thing you should need to do when a call for assistance comes is think of and locate all the items you might need. An experienced emergency responder knows how important it is to keep a kit of the items they need ready to go at a moment's notice.

Without a jump kit, you will almost certainly leave something important at home, or bring items that will not do the job. Gathering and packing your equipment at the last moment also wastes precious time. It is important to think through each probable deployment ahead of time, and the range of situations you might encounter.

# READY TO {QUICKLY GRAB AND} GO!



Go Kit is loaded and ready to go – in less than 15 minutes from call for service

