# GO BOX

# Go Box Development Questions

How will you be using the Go Box?

1. Emergency or recreational use?
2. In the field or at a remote location?
3. Will their be external power available?
4. Will you use in your car?
5. Is it for HF? VHF? UHF? Winlink?

# Go Box Development Questions

What will you include in your Go Box?

1. Radio (s)?
2. Power Supply?
3. Digital interface (Kantronics, Signalink, Built-in sound card)?
4. Speaker?
5. Battery?
6. Antenna Tuner?
7. SWR/Power meter?
8. Power distribution? (Rigrunner, etc?)
9. Power management? (Powergate, etc?)
10. Connection to laptop computer?

# Go Box Development Questions

How will your Go Box integrate with other resources?

1. Antennas & masts?
2. Batteries?
3. Emergency Kits?
4. Handhelds?
5. External power? (120, Generator, Solar)

# Go Box Development Questions

How will you carry your Go Box?

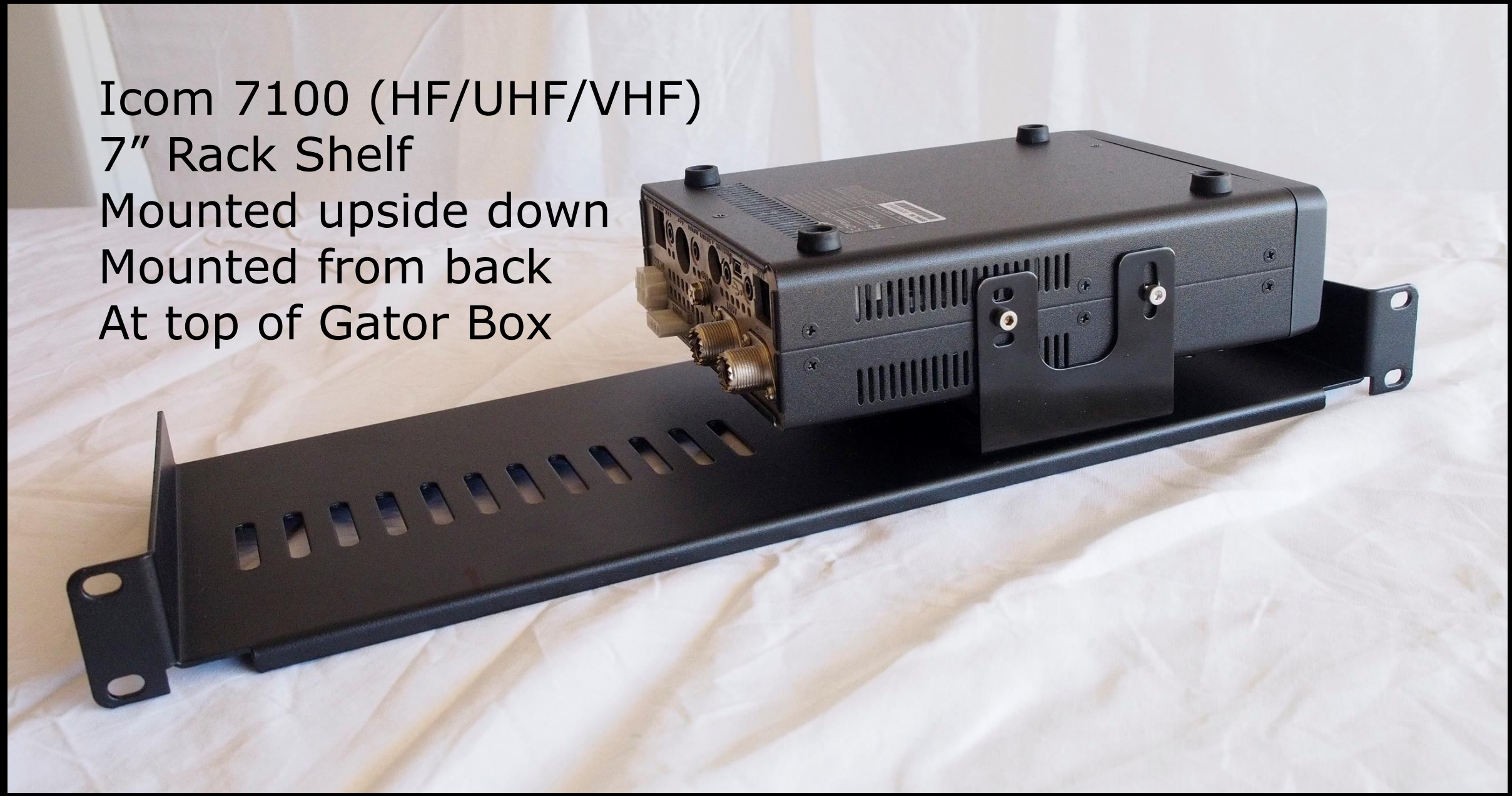
1. Backpack
2. Hard Case (Ammo boxes, Suitcases, Gator Box, etc.)
3. If Gator type box:
   - Size height? (4u, 6u etc.)
   - Size depth? (narrow, full size)
   - What kind of shelves will you use?
4. What other equipment will you need to have with you to make it all work? (antennas & masts, tools, emergency backpack)

# My decisions

1. Radio that does HF/VHF/UHF and includes sound card
2. Built-in power supply, but with connection for battery
3. Kantronics KPC3+ for Winlink in VHF/UHF
4. Speaker
5. SWR/Power meter
6. Rigrunner for power distribution
7. Powergate to manage switching of power from internal to battery
8. Gator 4U narrow box (6U would be to heavy)
9. Antenna and mast in separate bag

# Gator Case

Lightweight Molded 4U Rack Case with Heavy Duty Latches; Shallow 14.25" depth, (GR-4S)


Icom 7100 (HF/UHF/VHF)
7” Rack Shelf
Mounted upside down
Mounted from back
At top of Gator Box

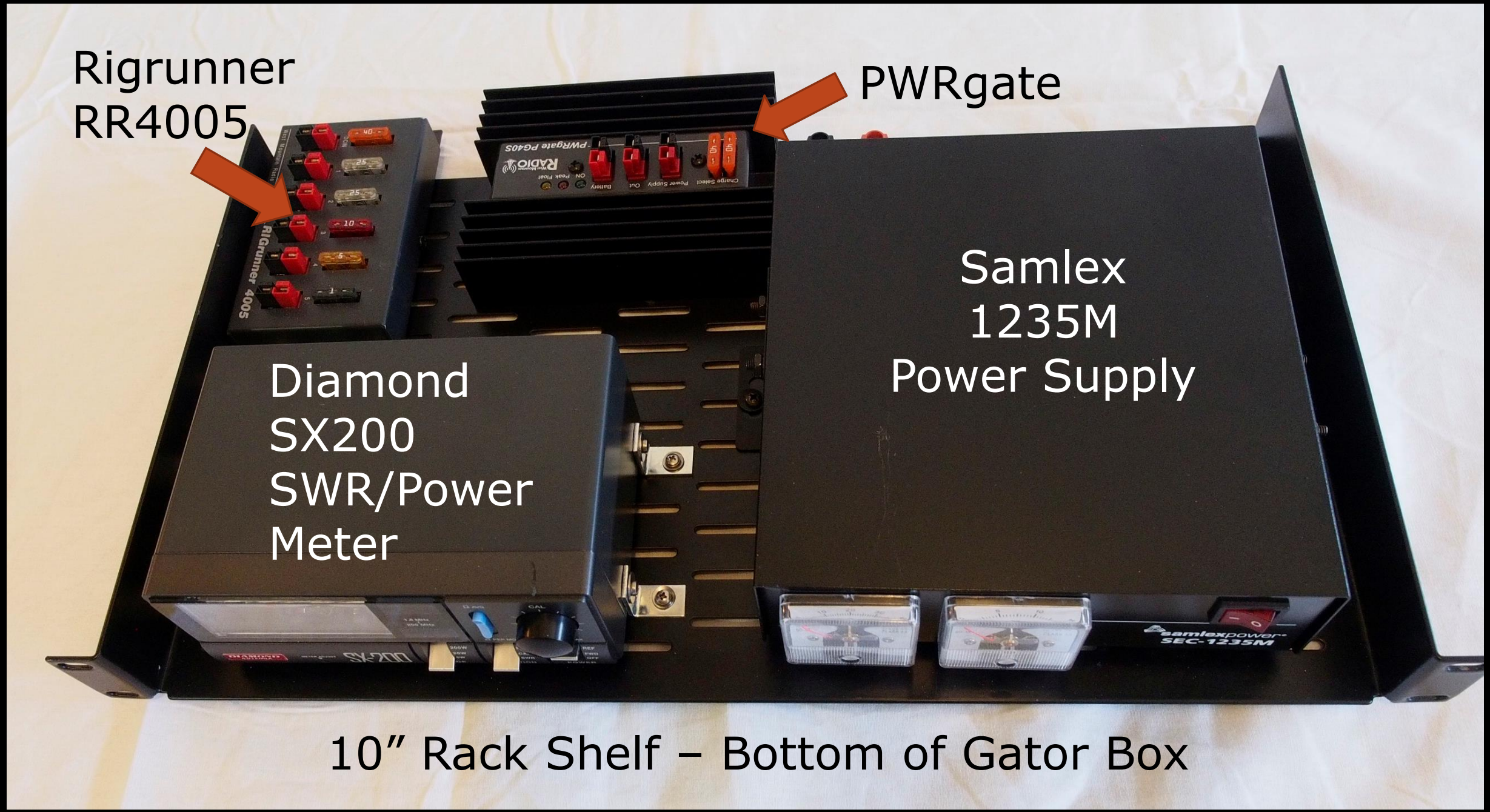
# Icom 7100 rear connectors

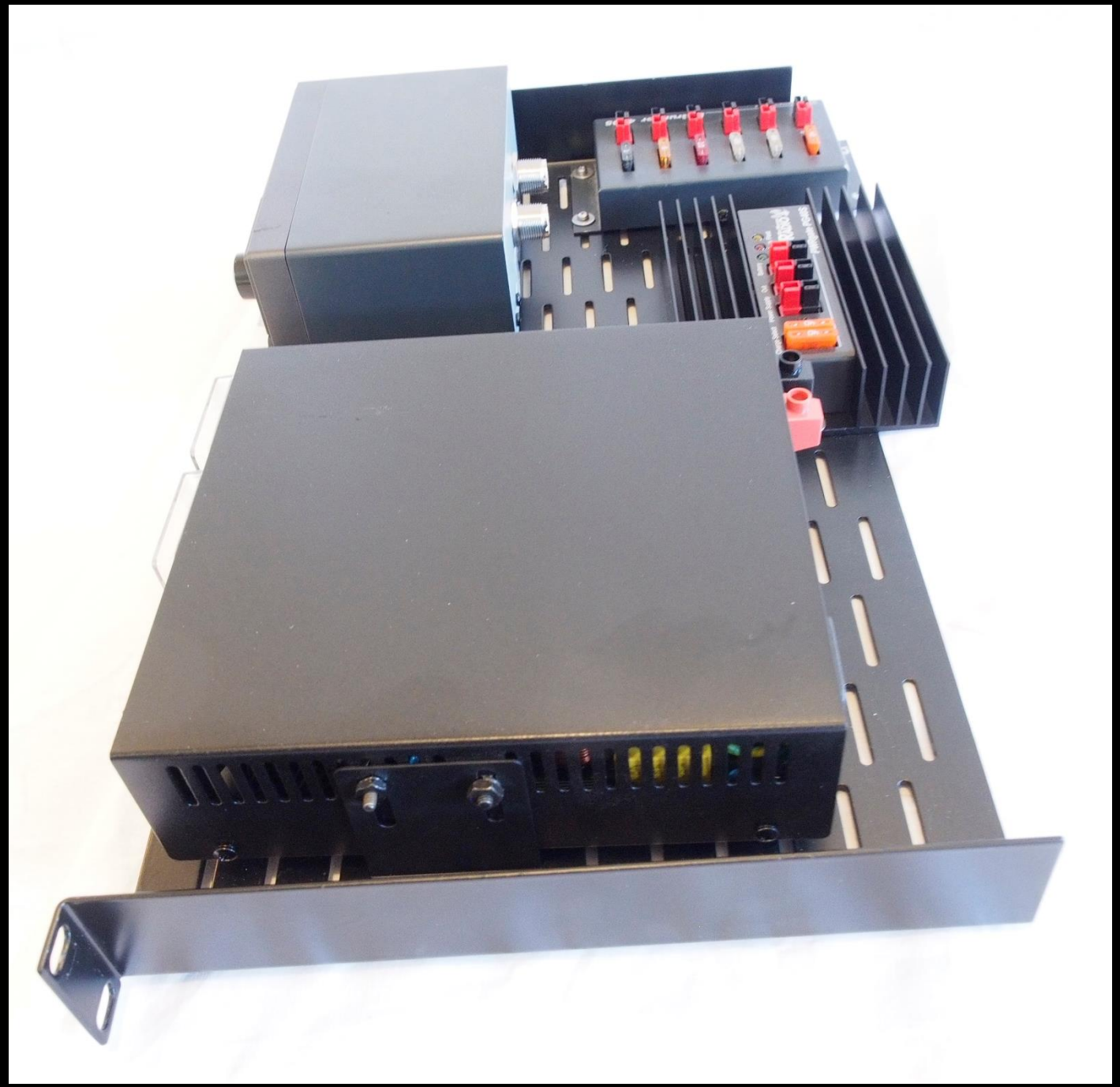
# 6” Rack Shelf – Middle of Gator Box


Icom 7100 head Velcroed so I can move it out when in use.

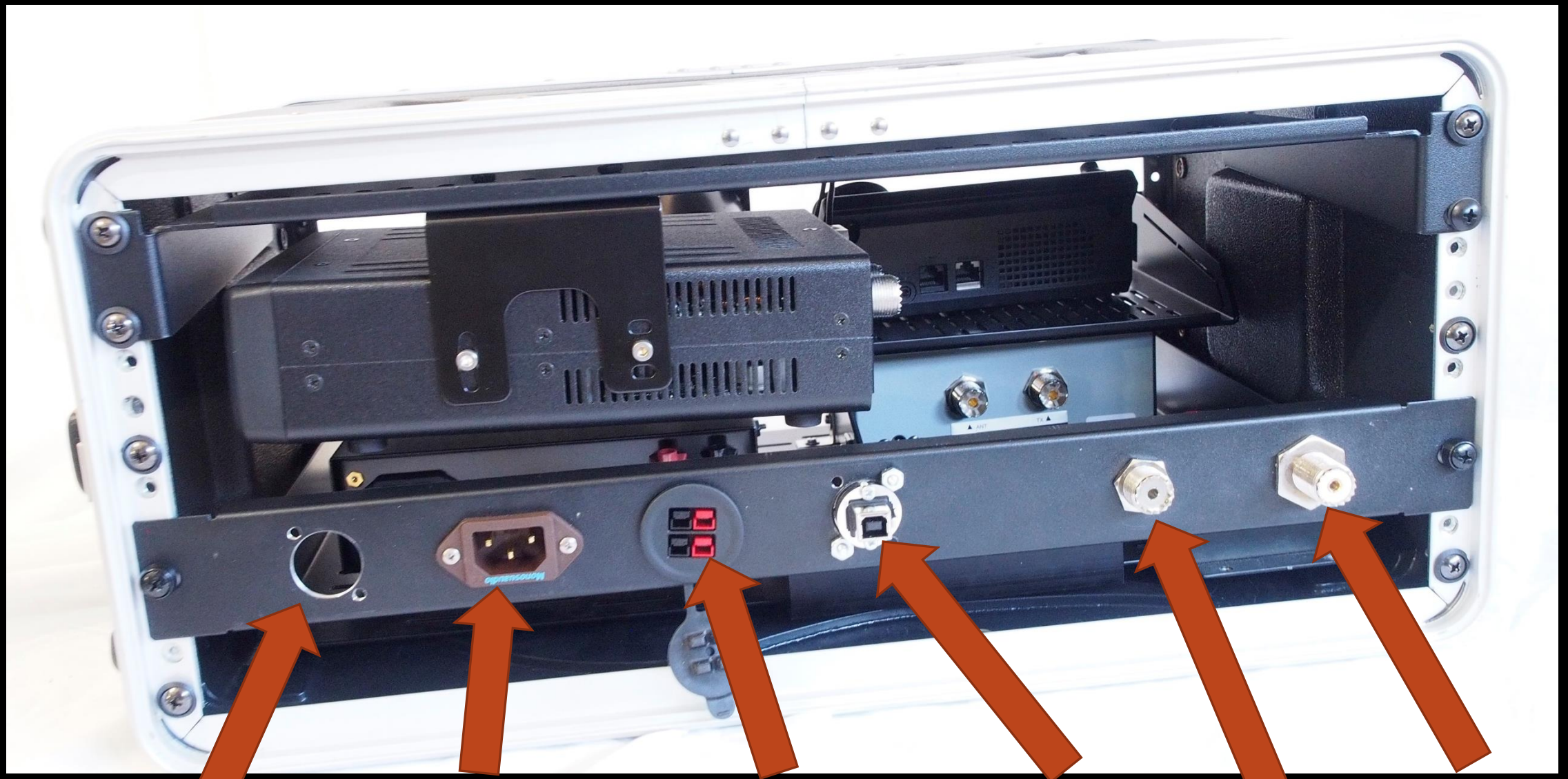
Speaker

Kantronics KPC3+


Rigrunner
RR4005
PWRgate
Samlex
1235M
Power Supply
Diamond
SX200
SWR/Power
Meter
10” Rack Shelf – Bottom of Gator Box

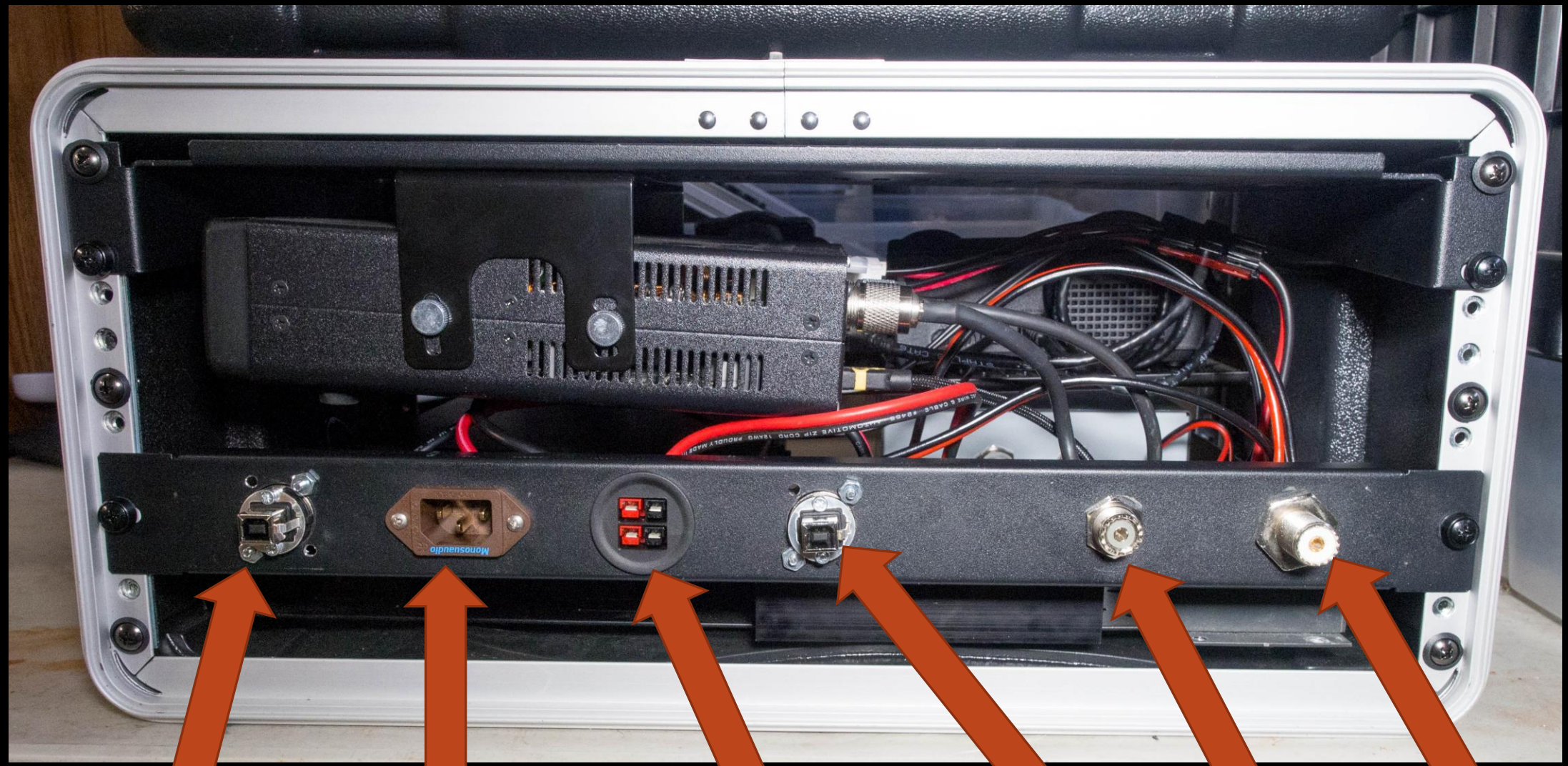



GATOR
KENWOOD
Power
Xmit
Rcv
Con
Sta
Mail
SX-200
samlexpower
SEC-1235M


USB
Kantronics
Power
Supply
Top-Battery
Bottom-out
USB
7100
VHF/
UHF
HF

## THE WIRING

1. RG8x Coax from radio HF antenna to SWR meter.
2. RG8x Coax from SWR meter to Connection bar
3. RG8x Coax from radio VHF/UHF antenna connection to Connection bar.
4. USB from Radio to Connection Bar
5. USB from Kantronics KPC3+ to Connection bar
6. 120 connection cable form Samlex power supply to connection bar
7. Powerpole connection from Samlex power supply to Powergate
8. Powerpole connection from Rigrunner to Powergate
9. Powerpole connection from Powergate to Connection bar
10. Powerpole connection from radio to Rigrunner
11. Powerpole connection from Kantronics KPC3+ to Rigrunner
12. Powepole connection from SWR meter to Rigrunner
13. Powerpole connection from Rigrunner to Connection Bar
14. Speaker connected to radio
15. Radio connected to Head


USB
Kantronics
Power
Supply
Top-Battery
Bottom-out
USB
7100
VHF/
UHF
HF

(2) USB Cable, (1) Power Cord for Power supply,
(2) PowerPole extension cables

# What I have left out

1. Antenna Tuner

   I use antenna’s I can tune manually or are resonant.

2. Lighting

3. Separate HF and VHF radios

   Lose ability to use HF and VHF radios at same time

4. Power booster

   Keeps power high even when battery is low

K7STO

K7STO
HF Only

# K7STO

K7STO

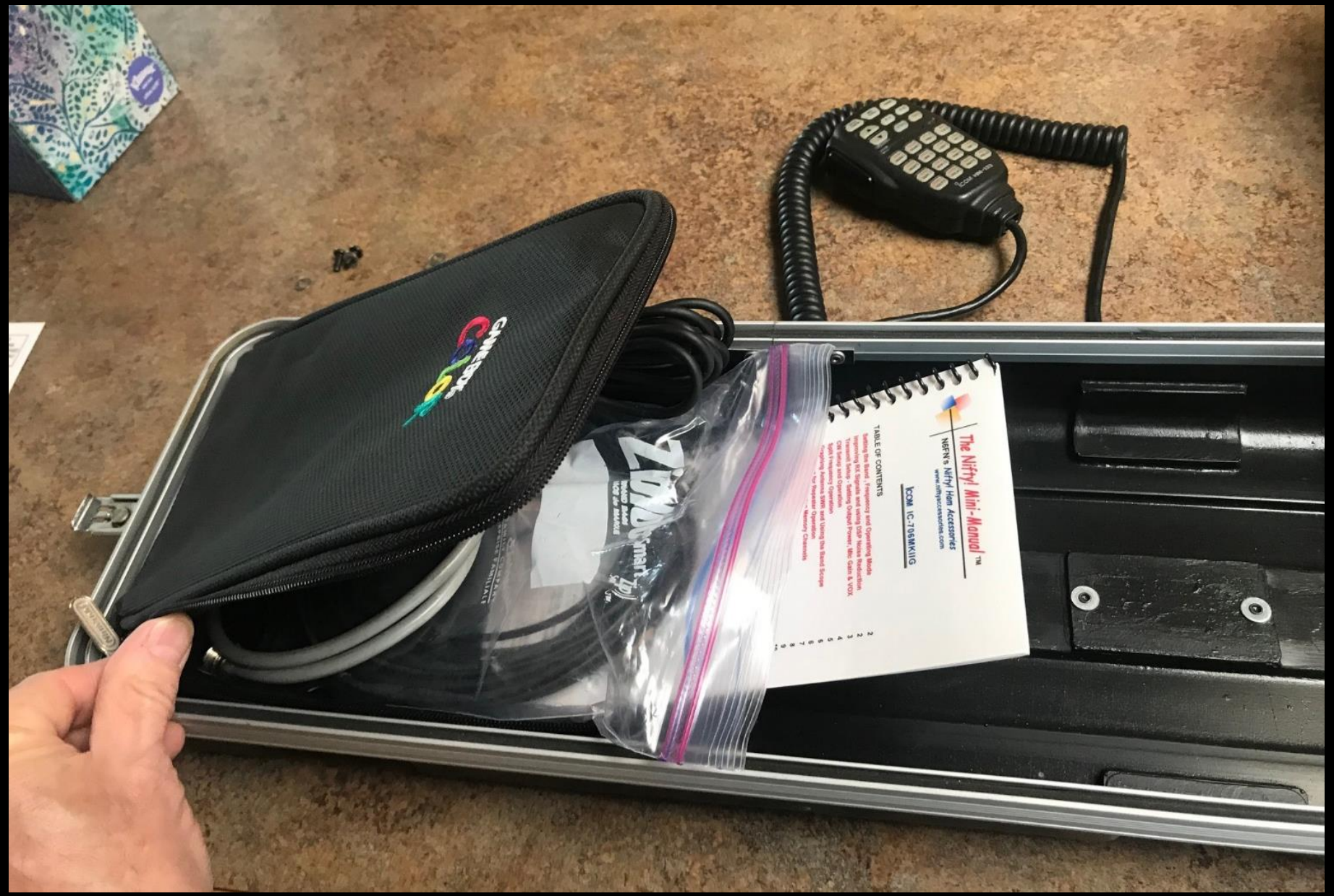
# WA7TNT


MFJ
SWR
ANT
C-UP
L-UP
AUTO
POWER
MODE
C-DN
L-DN
TUNE
LCD
VOL
BYPASS
SWR 1 1.2 1.5 2 3 ∞
PWR 0 25 50 75 100 300
MODEL
MFJ-993B
MFJ IntelliTuner™
AUTOMATIC ANTENNA TUNER
Dual Power Level
300/150 Watts
ICOM
IC-706MKIIG
HF/VHF/UHF TRANSCEIVER
POWER
P.AMP/ATT
TUNER/CALL
PHONES
MENU
F-1
F-2
F-3
DISPLAY
LOCK
POWER
ON
OFF
RadioShack
SWITCHING POWER SUPPLY
25 AMP
13.8VDC
SignaLink™ USB
PWR
PTT
TX
RX
DLY
Integrated USB Sound Card
BAND

# WA7TNT


POWER 12VDC 1A
REMOTE PORT
RADIO INTERFACE
GROUND
WIRE
Do not connect WIRE and ANTENNA 1 at same time!
When Using Antenna
RIGrunner 4005

# WA7TNT


The Nifty! Mini-Manual
NØFN's Nifty Ham Accessories
www.nifty-accessories.com
ICOM IC-706MKIIG
TABLE OF CONTENTS

# Other Examples K8KAP

# Other Examples

# Other Examples N8ATZ