

Amateur Radio *Go-Box*



KG4RUL

Goals

- **Utilize Commercially Available Box**
- **Contain Multi-band, Multi-Mode Radio**
- **Contain AC Power Supply**
- **Contain HF Auto-Tuner**
- **Provide Connections for External DC Power**
- **Provide Connections for Antennas**

RADIO - Yaesu FT-100D

- **160M – 70CM Coverage**
- **FM, AM, SSB, CW, Digital Modes**
- **Interfaces w/External Auto-Tuner**

Power Supply - MFJ-4125P

- **Switching PS**
- **22A Continuous**
- **ARES® Standard - PowerPole Connectors**

Auto Tuner – LDG YT-100

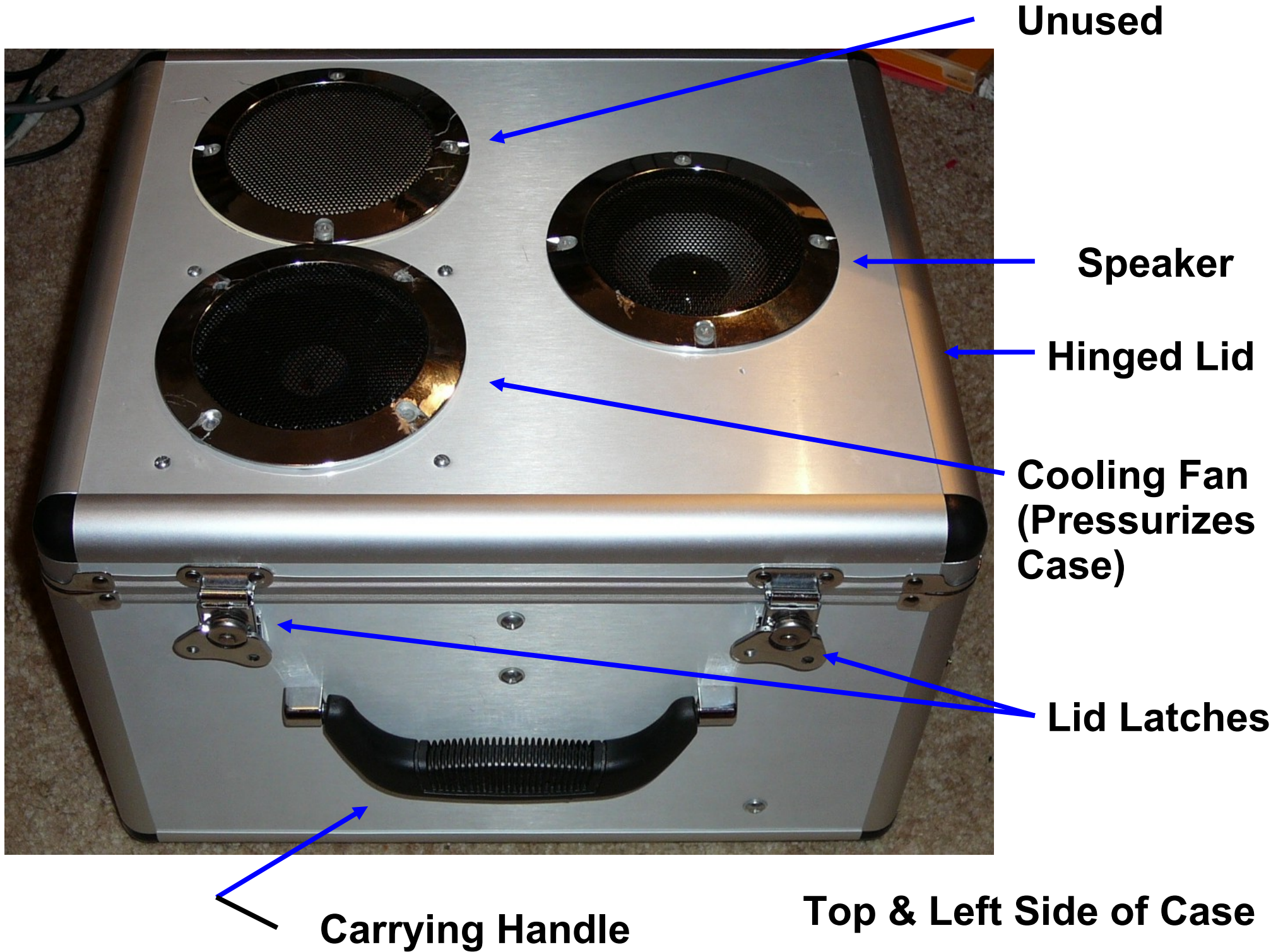
- **160M-6M**
- **Powered from Radio**
- **One-Button Tuning**



Door Latch

Removable Door

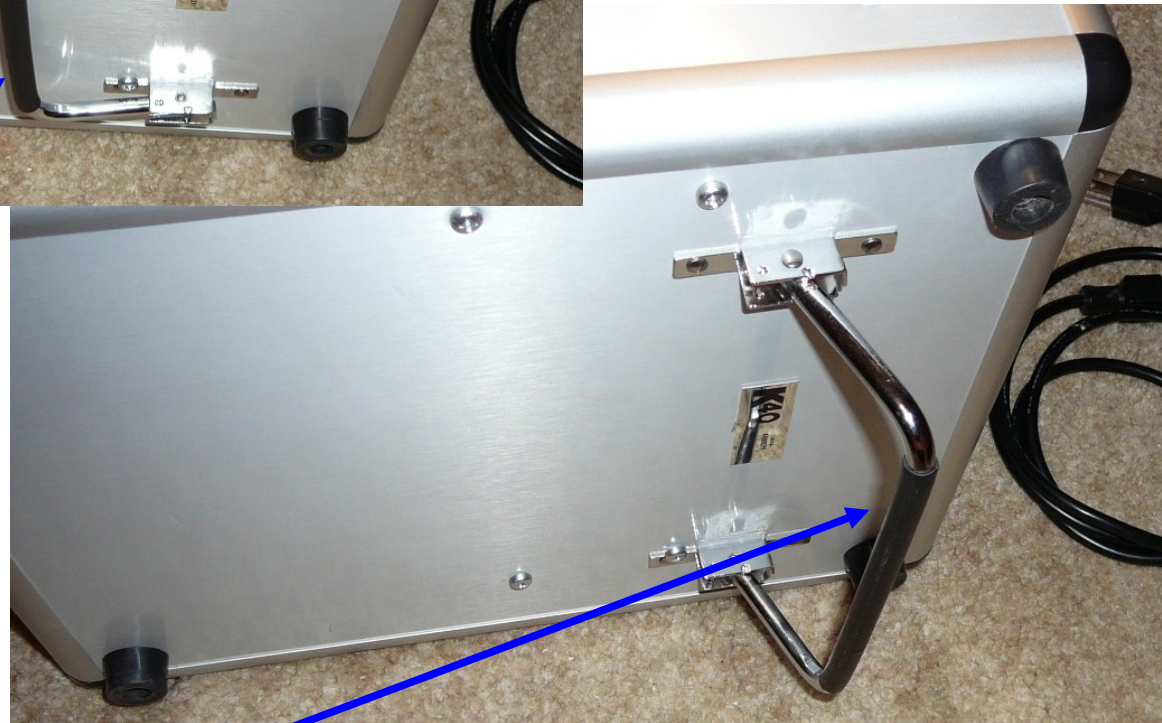
Front of Case



The case is equipped with a bail to raise the front of the case for easier viewing

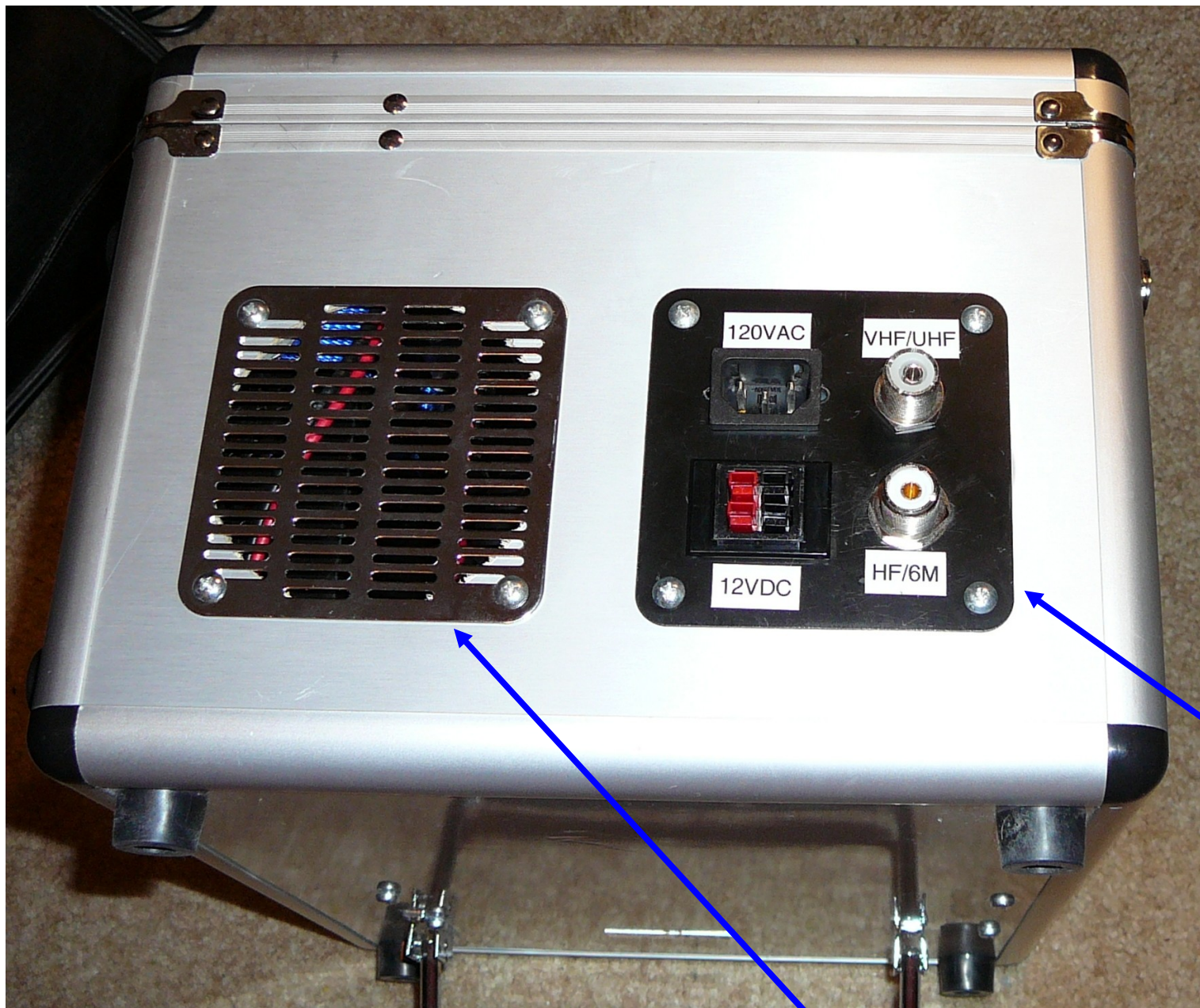


Bail Stowed



Bail Extended

Bottom of Case

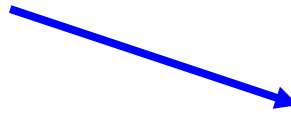


**Connector
Panel**

Back of Case

Exhaust Air Vent

Access Door Opened



Access Door Removed



LDG YT-100 Auto-Tuner



FT-100D Transceiver

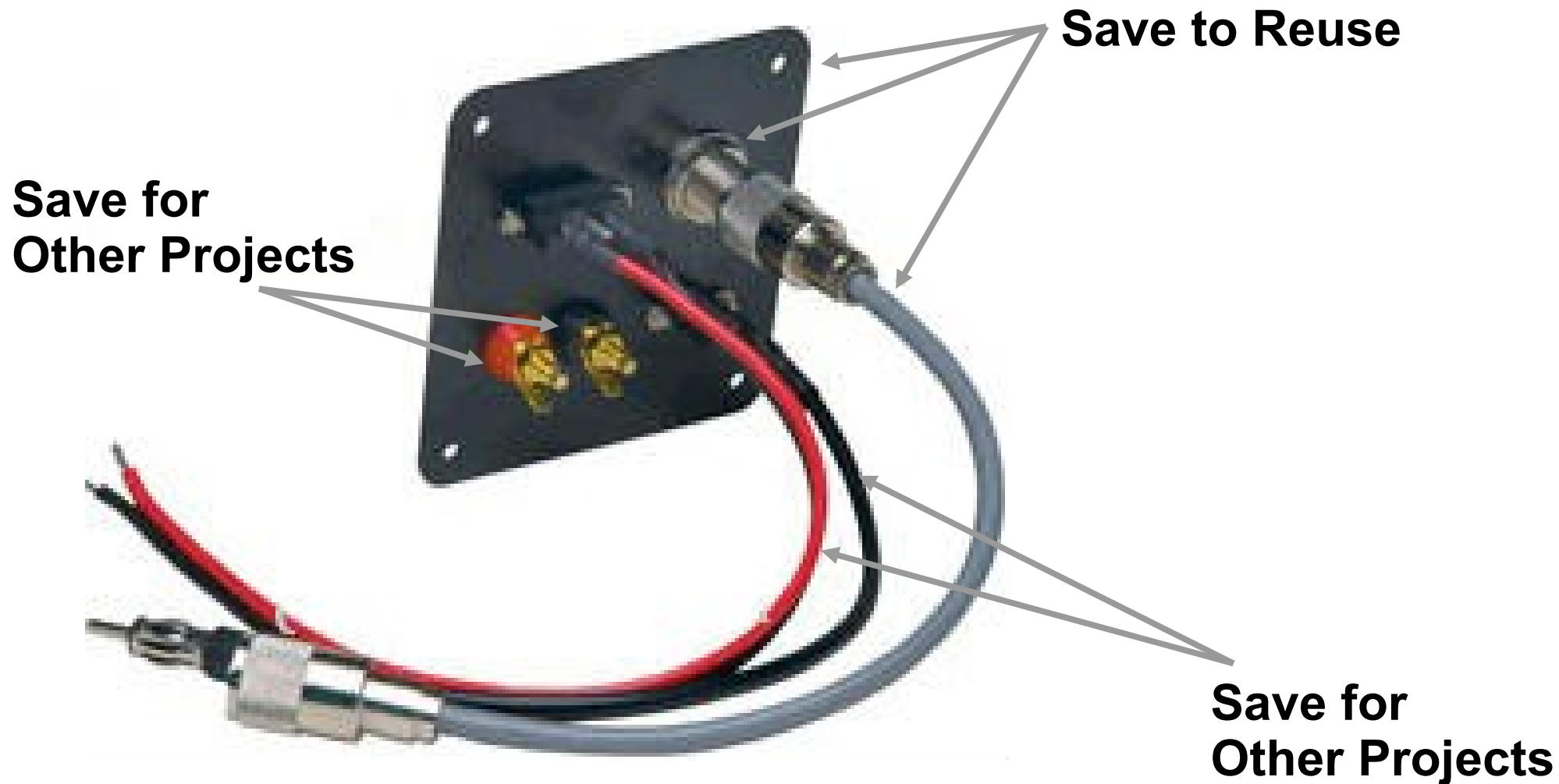


**Ventilating
Fan**

**Radio External
Speaker**

**Blanked Out
Opening**

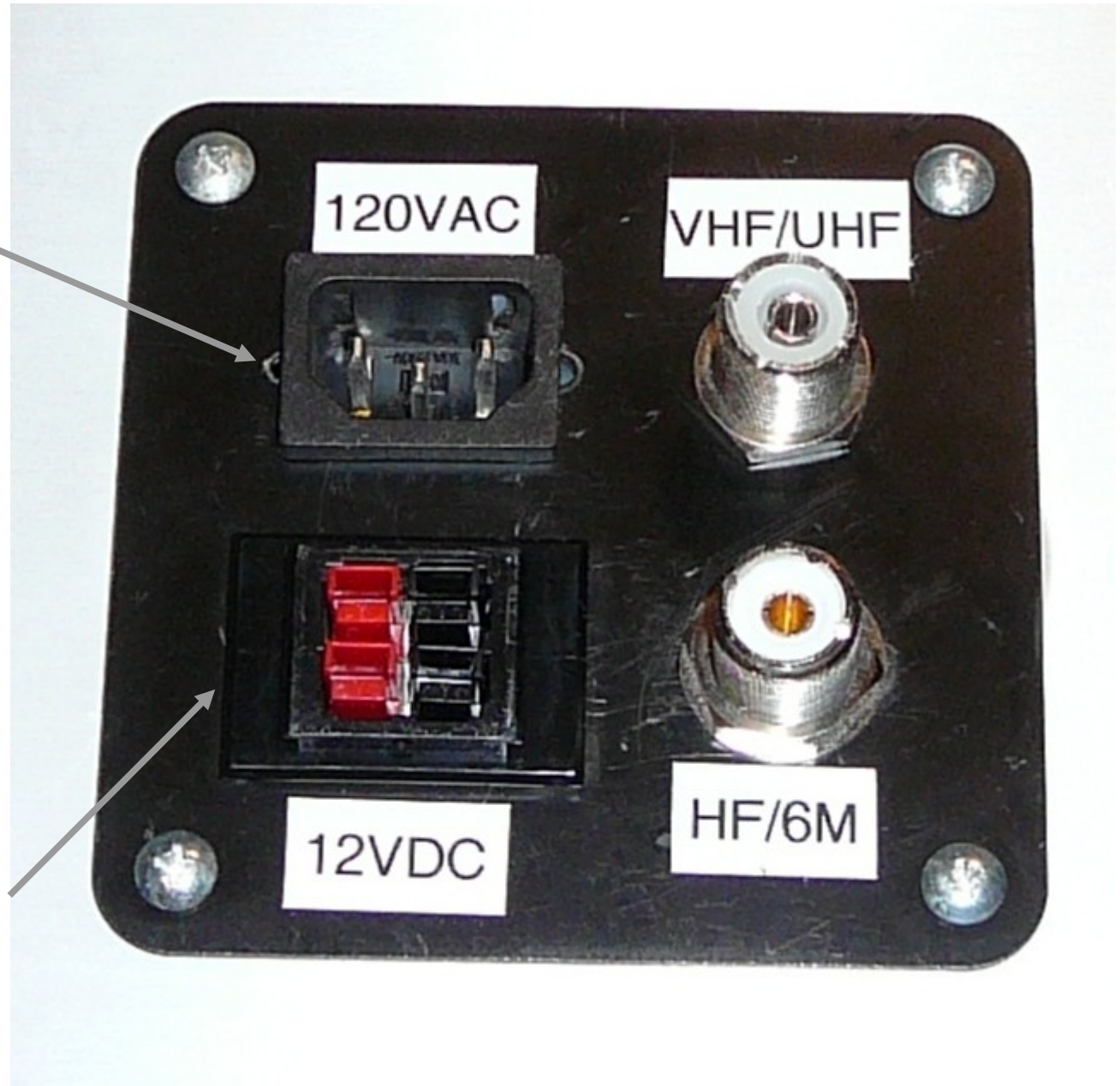
Lid Interior View



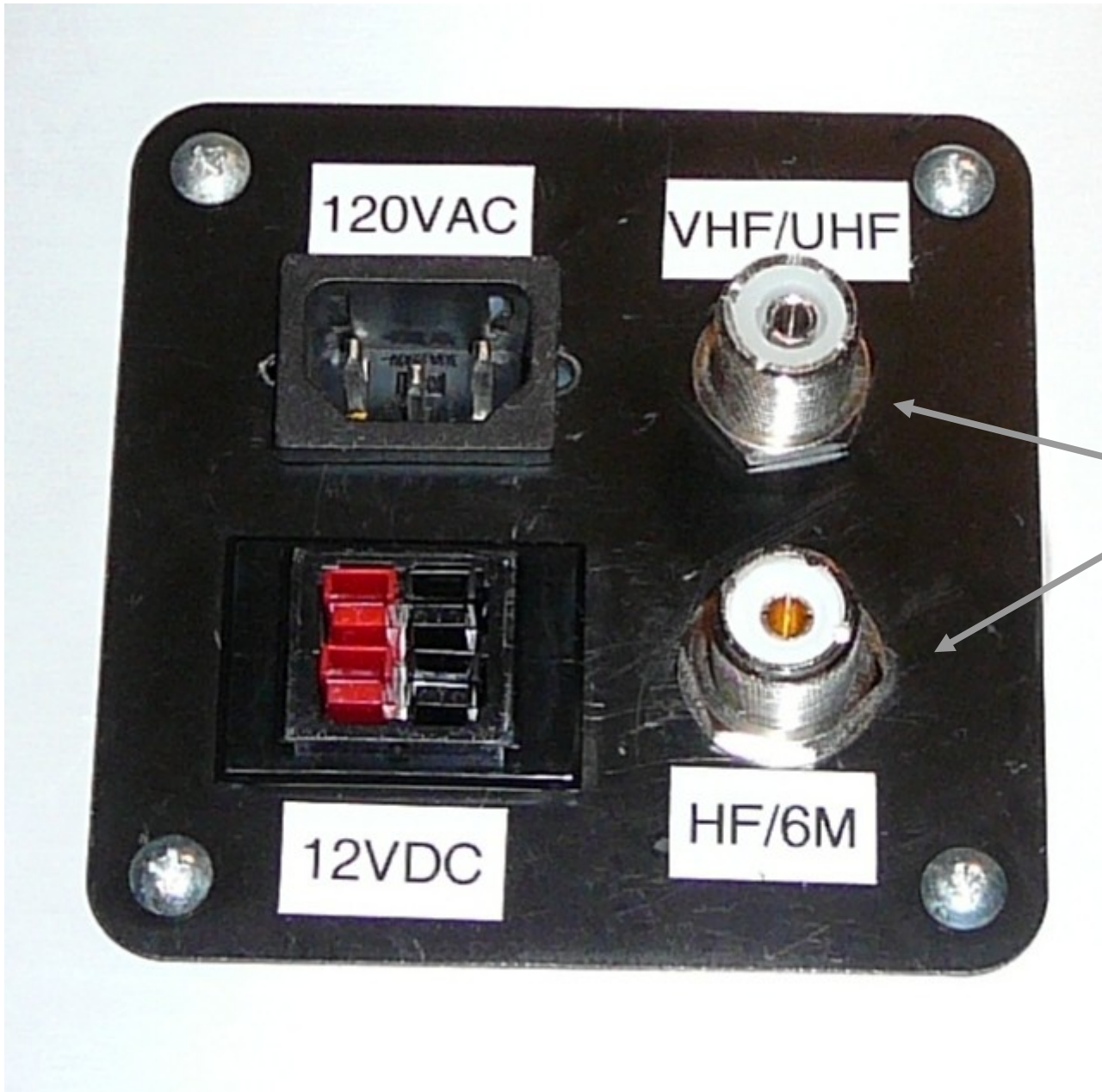
Connector Panel from K-40 Box

**AC Receptacle to
Accept 3 Wire,
Computer Power
Cord –
Connected to 3
Wire, Standard
AC Receptacle to
Accept PS Power
Plug**

**Dual, ARES® Standard,
PowerPole Connectors**



Finished Panel



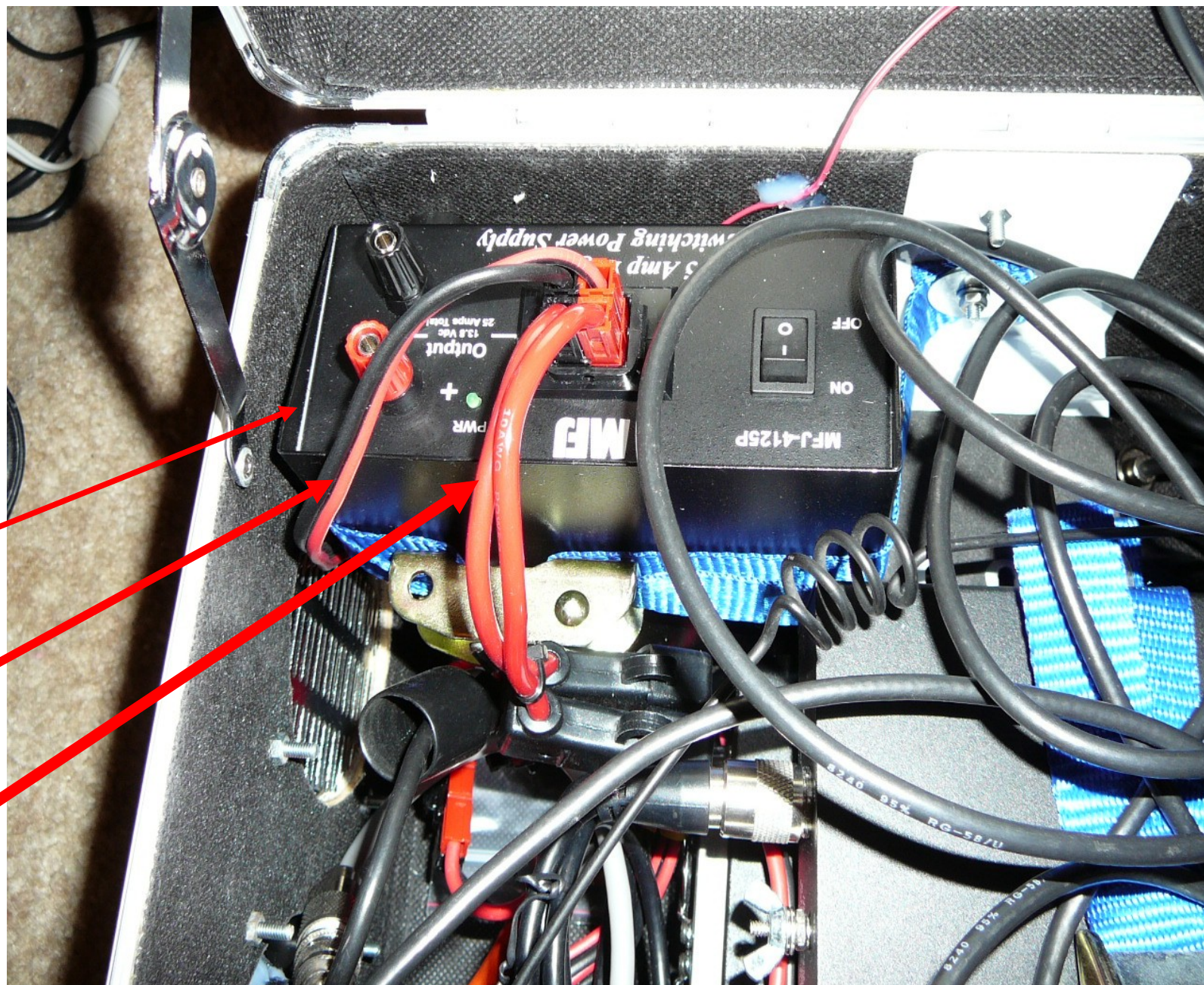
**RF
Connectors**

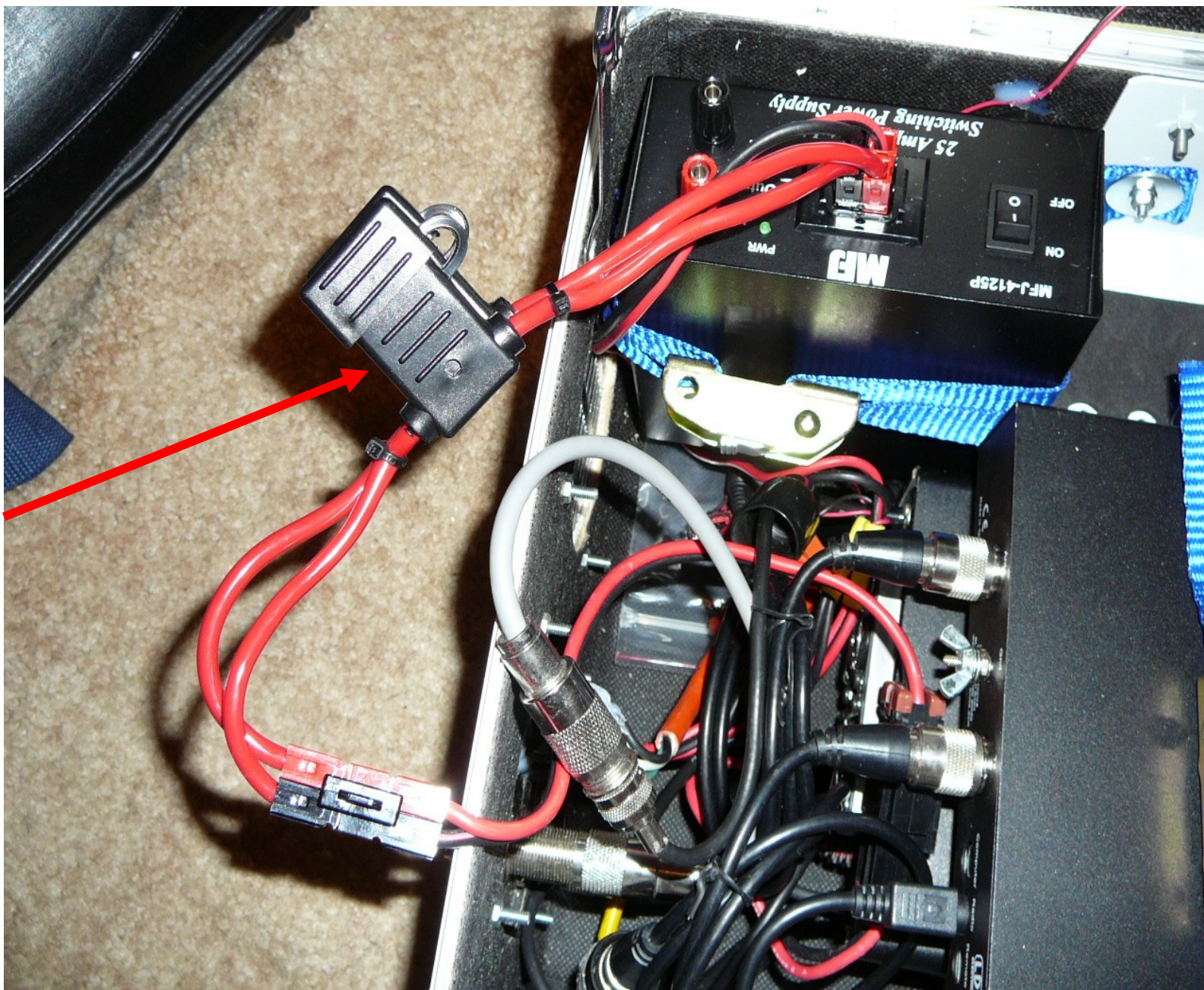
Finished Panel

**MFJ 4125P
Power
Supply**

**To Back
Panel**

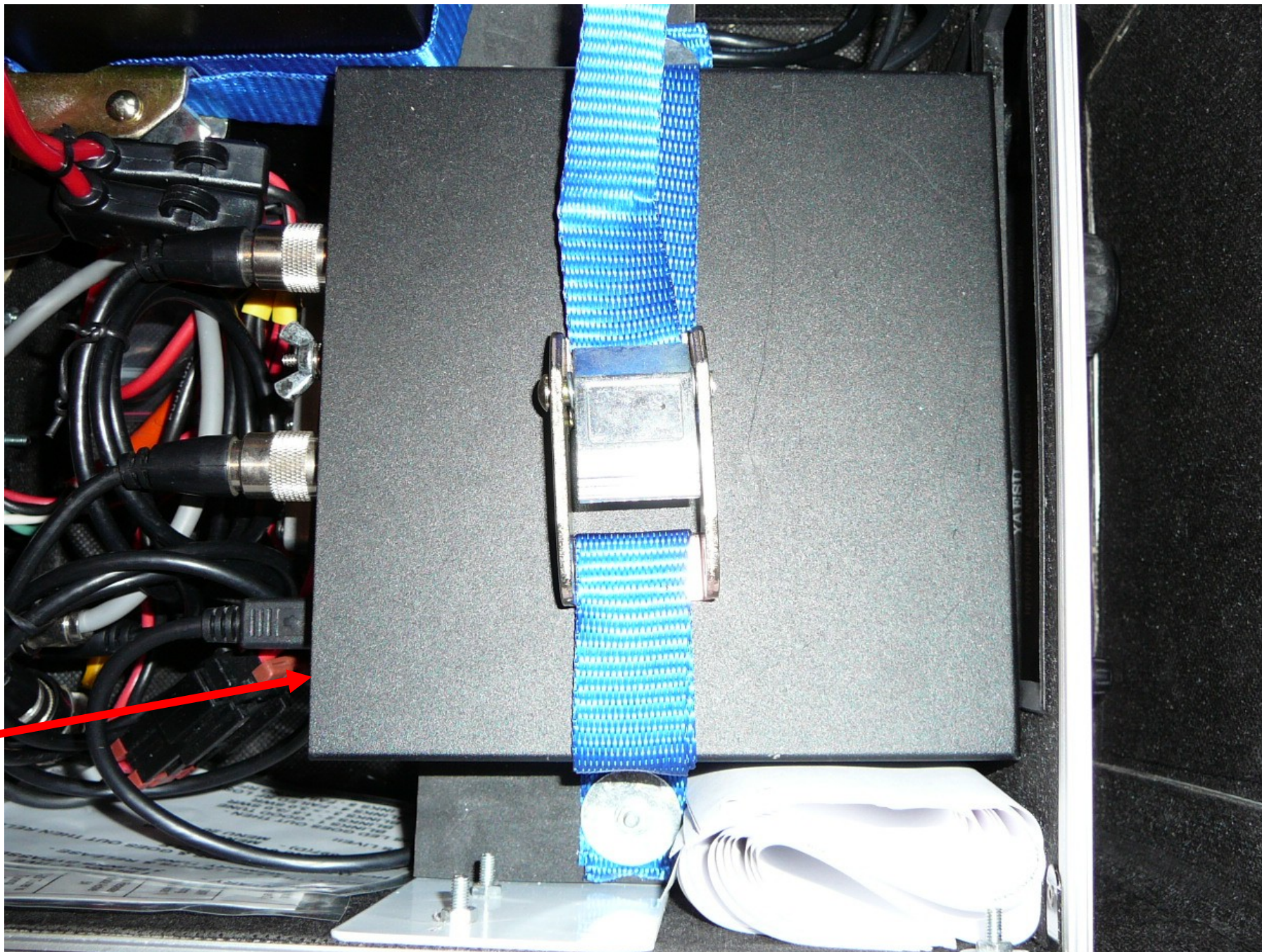
**To
FT100D**





**Radio Fuses – 2
Automotive Style
Blade Fuses**

**YT-100
Tuner**



MFJ 4125P Switching Power Supply

<http://www.mfjenterprises.com/Product.php?productid=MFJ-4125P>

LDG Electronics YT-100 Tuner

<http://www.ldgelectronics.com/c/252/products/1/52/1>

PowerWerx Chassis Mount for 2 PowerPoles

<http://www.powerwerx.com/anderson-powerpoles/accessories/powerpoles-chassis-mount-2-sets.html>

ATC Style Fuse Holder

<http://www.powerwerx.com/fuse-holders-fuses/atc-inline-fuse-holders-powerpoles-12-gauge.html>

K40 Slip Seat Road Cases

Small Pro Series "Plug & Play" RoadCase

<http://www.roadtrucker.com/slip-seat-road-case/k40-slip-seat-road-cases.html>