

ARES Standard Headset

Hams and ARES have agreed on PowerPole for
DC

There are a small number of standard RF
connectors

What about Audio??

Headsets and Mics

- Lots of different connectors.
- Lots of different levels
 - -60 to about -20dBm
- Several different PTT schemes
- Some mics need power, others don't
- Some mics have lots of extra functions.

What about using MY Headset?

- Each person would need a “fleet” of adapters to match all the radios they might find.
- Served agencies not happy about you unplugging things.
- If you get up then someone has to try to put your headset on to answer a call while you are away.

How about an ARES Standard Headset?

- With switching to allow your headset and the normal station mic to stay connected.
- You only have to have one additional adapter if you want to use your headset at a served agency
- Served agency only has to provide one adapter for each radio.

What about levels?

- If we pick the highest typical level for the Std then interface is passive. Less to break or be blown up.
- Motorola mobiles, aircraft headsets and telephone handsets all are the highest.
- And they are all about the same.
- Lets pick this for the level.
- Also means you can test your adapter at home on a phone before you go.

What about a connector?

- RJ45 8wire has enough pins.
 - Is a common cable
 - Is cheap.
- Lets pick the RJ45

Pinout

- Pin 1 current limited 12vdc
- Pin 2 PTT
- Pin 3 Mic Lo
- Pin 4 Rec Hi
- Pin 5 Rec Lo
- Pin 6 Mic Hi
- Pin 7 Gnd
- Pin 8 Second Receive Audio