Repeater Linking via Mesh

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• Linking Networks
• Common Items to all Linking Networks
• Mesh Usage
• Peer-to-Peer Linking
• Show and Tell
• Other Uses for AllStar
Linking Networks

- IRLP
- EchoLink
- AllStar
- D-Star
- DMR
- System Fusion
- HotSpots
Common Items to All Linking Networks

• Generally link repeaters together
• Central Server
• Internet
• Sometimes used to add remote base station/other non-repeaters to the network
Mesh Usage

• Mesh can be used to provide connectivity to/from the Internet from a remote repeater site
• To do this, a custom firewall script must be installed in gateway node (one time)
Peer-to-Peer Linking

• Peer-to-peer linking is linking directly from one repeater to another without needing any central server.

• Only peer-to-peer linking networks known to me:
  AllStar,
  Possible DR-2X to DR-2X
Example of AllStar node on Raspberry Pi
Other Uses for AllStar

• AllStar can also be used as remote base station (with remote rig control via hamlib or dedicated channel steering via gpio pins)
• AllStar can also be used as a PBX with Phone patch access to/from telephone or a network of PBX's
• This PBX functionality can in turn be networked with other PBX's (eg, MeshPhone)
73!

73 and Happy Phoning!

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