Features and Benefits

• Keyboard text messaging
• Robust and redundant
• Easy to use
• History of text threads is maintained

• Unambiguous, less subject to misunderstanding than voice communications
• No single point of failure like some applications. Able to have multiple servers
• Little training required. Web interface on desktop or mobile device
• Logouts or disconnections won’t lose information. Text gets restored.
How It Works

• The web application runs on the mesh node itself or a raspberry pi
• Type into a text box and clicking submit
• The message database is stored on every node mesh chat is running on
How It Works

• A daemon runs and gets a list of all nodes in the mesh running mesh chat
• The daemon then polls those nodes several times a minute and gets any new messages and a list of users logged into mesh chat on that node.
• If any new messages are found, they are appended to the local message database.
• Meshchat is configured to run on a particular zone based on the service name it is given in the AREDN services screen.

• This lets you run multiple installations of Meshchat on a single mesh and separate messages.
• Channels separate messages inside a zone.
• For example, an Emergency channel that CERT users would monitor so they would not need to filter out Health and Welfare communications.
• You can also use channels to trigger Action Scripts.
Using MeshChat

• Brief Demo