UI Overview

Sender UI

Add Sender – add a sender ID to the list of senders

Add Receiver – add a receiver to the list of receivers

Baud Rate – adjust the baud rate from a drop down menu

Sampling Rate – adjust the sampling rate (samples per second) from a drop down menu

Sender ID – select a sender ID from a list of senders

Receiver ID – select a receiver ID from a list of receivers

Message Priority – select a priority from a list of priorities

Record – record an emergency broadcast

Playback – play back the last recorded broadcast (maybe open a menu to see all sent ones)

Send – send the latest broadcast, or possibly the latest played back broadcast

Testing Menu – only visible on a command line argument, displays some testing options (compression on/off, encryption on/off, etc)

Send Message – send the current message (only if all fields are filled)

Inputs – text box, microphone, testing data file containing messages, configuration file (defaults and available options for dropdowns)

Outputs – RS-232, Saved audio messages, saved text messages

Receiver UI

Message Order Radio Buttons – swap between priority order and FIFO

Number of Messages – Displays the current length of the queue

Refresh – Checks for new messages

Message Options

Delete – removes the first item on the queue (in current view, updates others)

Read – views the first item in the current view

Archive – saves the first item in the current view to a file (opens file dialog)

Baud Rate – change the baud rate from a drop down

Change Receiver ID(s) – allows entering and editing of multiple receiver ids of the station

Phonebook – Displays the current phone book

Audio Messages – displays all past audio messages

List View – double click plays an audio message when audio messages are displayed

List View – displays info about current messages, receiver id, sender id, time received, first 15 chars

Inputs – RS-232, phonebook file, audio message back up file, text back up file