OD3ICA

Spacecomms Relay Service

https://srs-citizen.app/

With the use of DCS - Simple Radio Standalone created by: ciribob

MADE BY THE COMMUNITY

7HILLS INDUSTRIES
EST 2950

BAD NEWS

TALONS

Getting Started 1 - Downloading and installing

Visit how to connect section of srs-citizen.app https://srs-citizen.app/how-to-connect/
- Install the software, uncheck any DCS-SRS related options.

Getting Started 1 - OD3ICA Premade Files

Visit how to connect section of srs-citizen.app https://srs-citizen.app/how-to-connect/
- Download the pre-made config files (location.txt, emergency.txt and awacs-radio.json), copy then paste and replace on SRS installation folder.
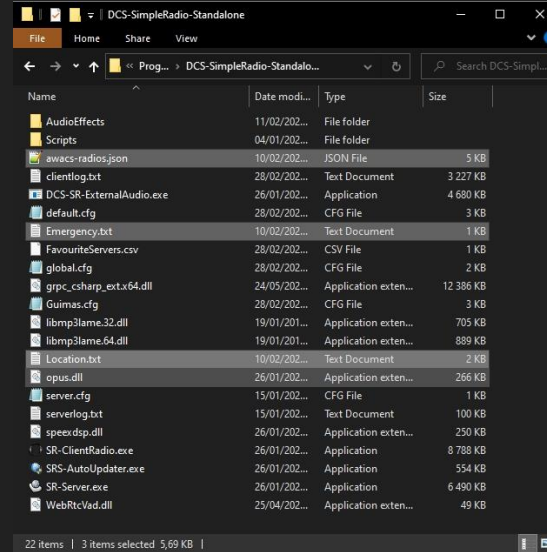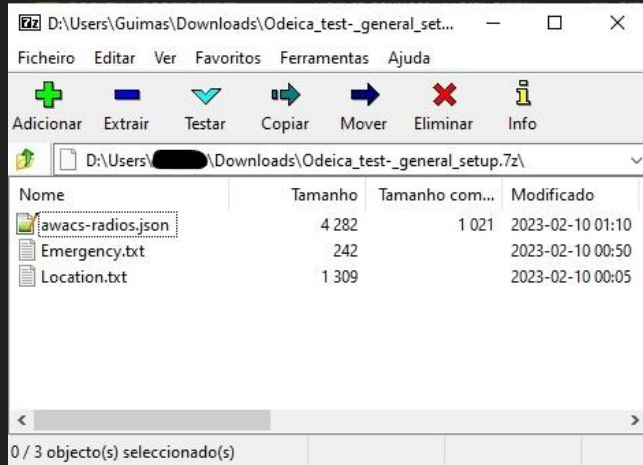
The awacs-radios.json file sets the frequency bands that each radio on the overlay tunes into, as well as the overlay radio names. Only one can exist in the folder and messing it up will render your client unable to communicate.

Getting Started 2 - connecting to Od3ica Server
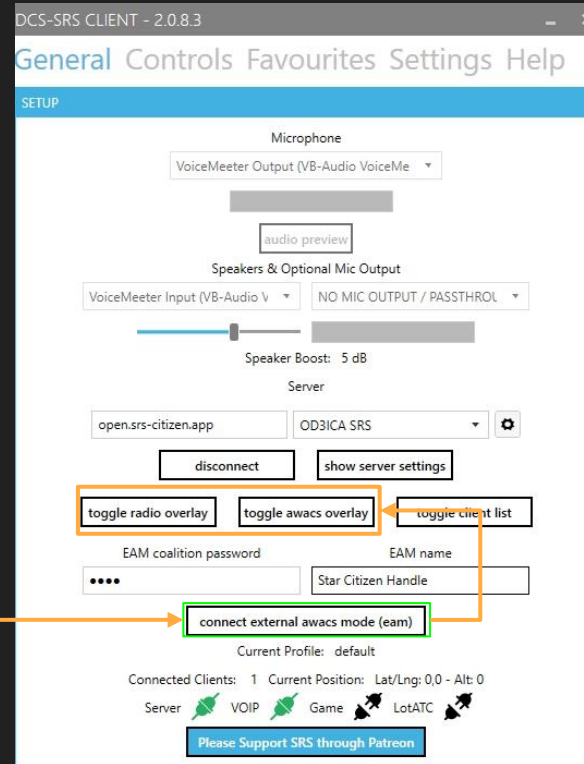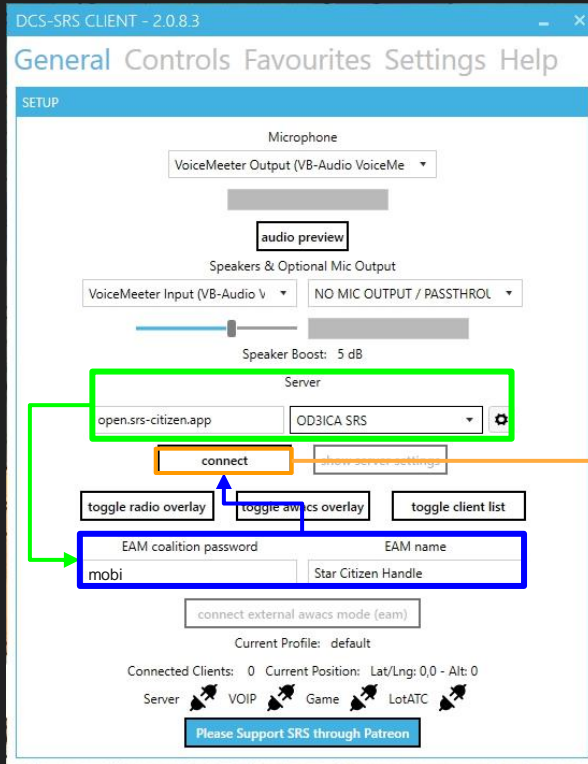
Getting Started 3 - Clearer audio

Client Window

Reduce or switch off FM Radio tone

Reduce or switch off Enable Background Radio Effects

Summary of SRS interface

Compact Overlay (5 radios)
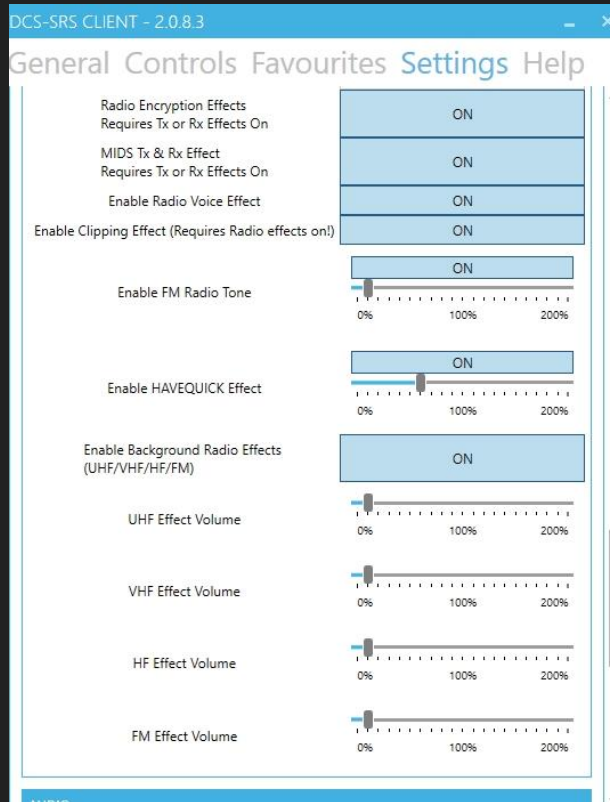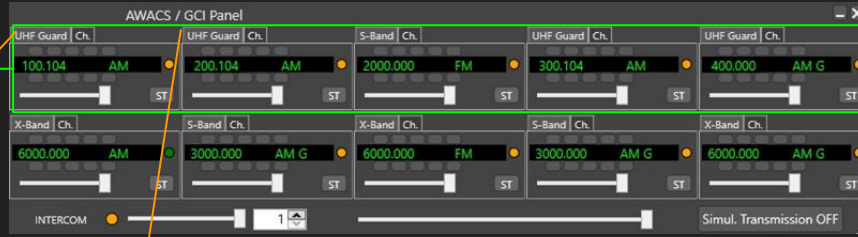
Extended Overlay (10 radios)

Corresponding 5 radios

AWACS / GCI Panel

Intercom transmits to everyone
connected regardless of frequency

Opacity Slider

Simultaneous Transmission switch

+1mHz

+10mHz

-10mHz

-1mHz

Volume

Opacity Slider
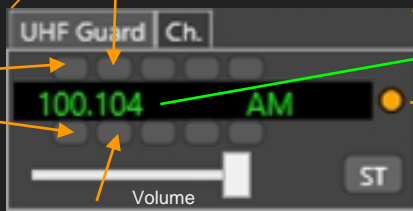
Frequencies can be set by typing, top and bottom +- mHz buttons or keybinds.
Specific channels with names can also be set up on a txt file and selectable
using the channel dropdown menu.

Radio Selector and Transmission Indicator (un-selected, Selected, Transmitting)
Several keybinding options for transmitting/selecting radios

Simultaneous Transmission
assign

The Frequency Allocation System

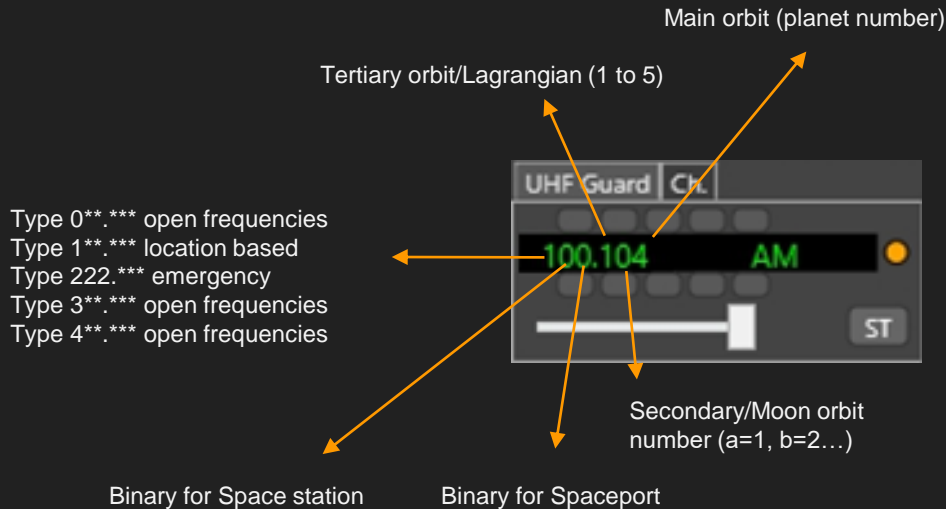- The allocation system is not realistic in terms of space communications using the Electromagnetic Spectre but it's a compromise between standard DCS-SRS settings (for aviation) and Astronomic catalog naming convention (SOL III = Earth)
- The location based frequencies are built using the Planetary System order, from right to left.
- Open frequencies are free to pick and use for private, intra-org, inter-org, emergent gameplay, as long as you respect radio etiquette
- Emergency frequencies start with global 222.111mhz. See next slide for details.

Main orbit (planet number)

Tertiary orbit/Lagrangian (1 to 5)

Type 0**.*** open frequencies
Type 1**.*** location based
Type 222.*** emergency
Type 3**.*** open frequencies
Type 4**.*** open frequencies

UHF Guard Ch.

100.104   AM

ST

Secondary/Moon orbit number (a=1, b=2…)

Binary for Space station   Binary for Spaceport

100.104 explained:
  xxx.xx4 means 4th planet
  xxx.1xx lagrangian 1
  1xx.xxx is location based

Examples:
Earth is SOL III = 100.003mhz
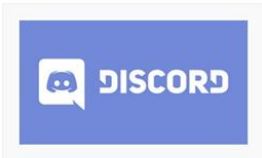Earth moon (Luna) is SOL III-a = 100.013mhz
ISS = 110.003mhz
New York Landing Zone = 101.003mhz

The Frequency Allocation System

- You can consult the allocated frequencies on https://srs-citizen.app/frq-stanton/

Personalizing the Overlay and Adding Channel Lists

- You can preset frequencies as channels on a radio by saving a .txt file named after the radio you want the channels in (see pre-made files from how to connect), channel naming convention should follow "Channel Output" column from the frequency table.

The Frequency Allocation System Emergencies/Rescue & protocol

- Emergency frequencies start with global 222.111mhz anyone unsure what category their problem fits or in a hurry.
- For specific emergency categories:
    - 222.222 medical (hand-overs* .221; .223; .224…)
    - 222.333 extraction (hand-overs* .331; .332; .334…)
    - 222.444 combat support (hand-overs* .441 to .443; .445 to .449)
    - 222.555 refuel (hand-overs* .551 to .554; .556 to .559)

Example picking up a rescue call on 222.333mhz

Victim   -"Mayday mayday, Luckychap need extraction, my ship crashed on Lyria"
Rescuer   -"Luckychap, this is Savior1 i'm nearby, how many passengers?"
Victim   -"Savior1, Luckychap, it's just me"
Rescuer   -"Luckychap, Savior1 rescue is on the way, handoff frequency two two two, three three one, clear comms acknowledge"
Victim   -"ackowledged two two two, three three one, clear comms"

Then both Rescuer and Victim tune radio to 222.331mhz to keep communicating without interruptions from others requesting help. Discussing specific location details party/beacon/negotiate payment conditions…

*Handover - In cellular telecommunications, handover, or handoff, is the process of transferring an ongoing call or data session from one channel connected to the core network to another channel.