JS8Call Overview

Tech Net #16 - Mar 3, 2025

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JS8Call

"The idea with JS8Call is to take the robustness of FT8 mode and layer on a messaging and network protocol for weak signal *communication* on HF with a keyboard-to-keyboard interface. JS8Call is heavily inspired by WSJT-X, Fldigi, and FSQCall and would not exist without the hard work and dedication of the many developers in the amateur radio community."

Disclaimer

As with everything in Ham Radio *EVERYTHING* in this presentation is the hard work and dedication of someone else.

I would like to especially thank Jordan Sherer who created JS8Call

FT8 versus JS8Call…?

FT8 is a *digital mode* for amateur radio that allows operators to make long-distance contacts, while *JS8Call is a program* that uses FT8 to create a chat-like mode for radio operators:

- Leverages the robustness of FT8
- Ideal for weak signal conditions
- Real-time keyboard-to-keyboard messaging
- Store-and-forward messaging
- Automatic station announcements.

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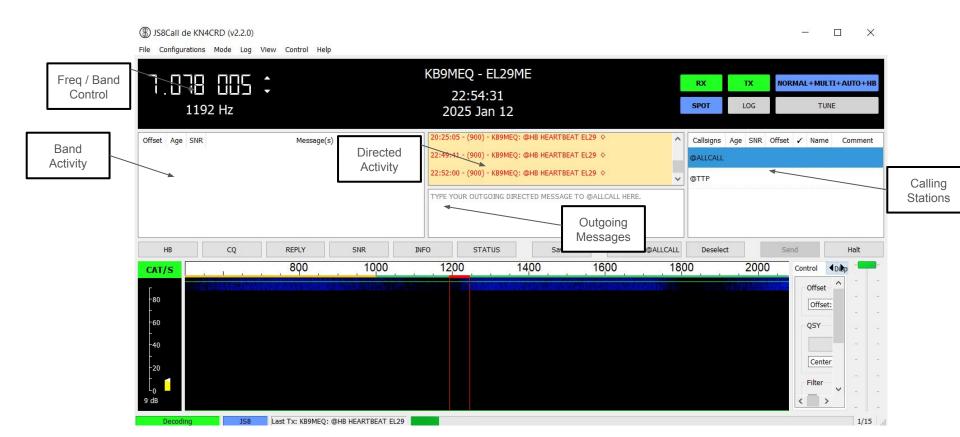
JS8Call comes in a variety of builds.

- Desktop Linux (64-bit x86_64, deb)

- Desktop Linux (32-bit i386, deb)

- Raspbian Stretch (armv7, deb)

- Windows 10 (win32_64)

  - Windows 10 is the only officially supported Windows build at this time, but the application has been confirmed to work all the way back to Windows XP.

- Mac OSX 10.11+ (x86_64)

JS8Call Frequencies

From version . 0.5.x the default calling frequencies set up in JS8Call are listed below, but please note these are not set in stone and can easily be changed in your settings, or you can simply manually re-tune your radio to another frequency.

1.842Mhz (160M)	3.578Mhz (80M)	7.078Mhz (40M)
10.130Mhz (30M)	14.078Mhz (20M)	18.104Mhz (17M)
21.078Mhz (15M)	24.922Mhz (12M)	28.078Mhz (10M)
50.318 (6M)	144.178 (2M)	

JS8Call Operations Screen

How JS8Call got its name….

You might be asking...why is this named JS8Call?

Why not something else, like BACON or HF Messenger? Good question!

● JS8Call was previously named FT8Call

● JS8Call uses a custom FT8 modulation called JS8 (Jordan Sherer designed 8-FSK modulation)

● JS8Call has a "directed calling" protocol, so JS8 + Directed Calling = JS8Call.

So…you want to learn more about JS8Call….!

http://js8call.com/

https://www.delta25.de/JS8-2021-11/JS8Call_Guide.pdf

You can view a presentation of JS8Call by Jordan Sherer on youtube – https://youtu.be/mZKhVcFOIjY

JS8Call Nets

JS8 QSO Party

The **JS8 QSO Party** is a chance to get on the air with JS8 and make some contacts every month. Whether you like a quick exchange or a long rag-chew, this event is for you. They have a lot of great, patient operators in the group, so the environment should be very welcoming!

The party is an all-day event held monthly on the **Second Saturday** of the month (unless the schedule is modified for a particular event). Each month will have a theme or goal.

When: 24 hours starting at 19:00 UTC on Saturday and ending at 19:00 UTC on Sunday
Participation: Global
Bands: All Amateur Bands

Ghostnet Weekly JS8Call Net

Ghostnet is a multi-layered communications plan to allow radio operators to communicate with each other efficiently using a variety of data modes. See the S2 Youtube channel for more details.
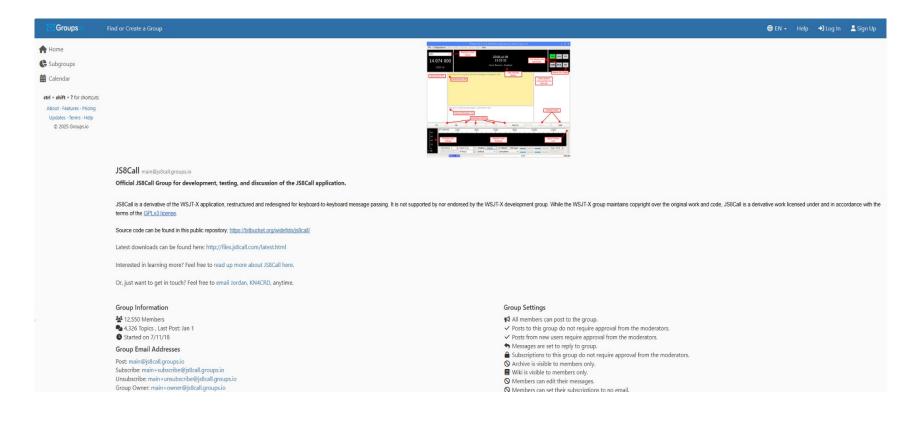
When: Thursday 7:00 PM CST
Participation: All
Bands: 7.107 MHz Use @GHOSTNET

Check it out while listening into the CRHRC net…!!!

JS8Call Groups.io Support

Questions

(Demo during the Zoom Call portion of the Technet)

THANK YOU