

Rattlegram\Ribbit BAARC Presentation

Presented by Dr. Greg Meador 02/05/2024

It is the operators responsibility to ensure that they are in compliance with FCC regulations.

What is Rattlegram\Ribbit ?

Rattlegram is the beta testing version of Ribbit.

Ribbit is a novel digital text messaging mode for HF/VHF/UHF communication for recreational and emergency use which radically increases the density of information transmitted by spectrum used.

What equipment do I need ?

It leverages the computing power of the modern smartphone to increase the capabilities of any Handy Talkie without requiring any additional hardware or cable.

Do I need an internet connection for it to work ?

No

[Ribbit](#) is open source and is a project of the [Open Research Institute](#). It has a redundant distributed nature which allows it to function even when internet connectivity is lost during emergencies.

Where do I get the software ?

It can be found on the Apple App store. It works on the iPhone and iPad

https://apps.apple.com/us/app/rattlegram/id1664526096?ign-itscg=30200&ign-itsct=apps_box_badge

It can be found on the Google Play store.

https://play.google.com/store/apps/details?id=com.aicodix.rattlegram&pcampaignid=web_share&pcampaignid=pcampaignidMKT-Other-global-all-co-prtnr-py-PartBadge-Mar2515-1

Testing the Application

You will need 2 radios. Tune them to the same frequency.

You will need 2 smartphones or tablets with the application already installed. You do NOT need Internet connection in order to use the application.

Launch the app.

Tap the gear and enter your call sign and then press back.

Rattlegram



Make sure that the volume is turned up on both phones.

Tap the cloud icon to enter your message

Rattlegram



When ready, hold the phone near the microphone on the radio and press the PTT button on the radio. When it has finished transmitting, release the PTT button.

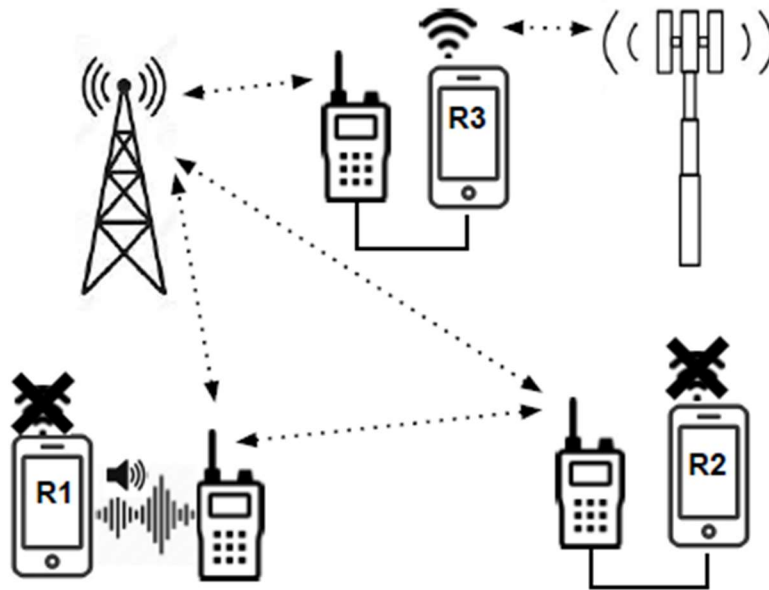
The person on the receiving end should have their phone near the speaker of their radio.

The text message will appear on the screen of the receiving phone.

In theory this would work for any two radios that can be tuned to the same frequency.

It is the operators responsibility to ensure that they are in compliance with FCC regulations.

Diagram Showing Traffic Flow for Ribbit



References:

[Ribbit](#)

[QSO Today YouTube Video](#)