

Emergency Radio E-mail Systems

Getting Started with Winlink & Winlink Express with Winmor

Radio E-Mail Systems

- Winlink is a worldwide system for sending and receiving e-mail over amateur radio
- The connection from the user's computer does not depend on a local Internet connection making it ideal for use after a disaster such as a hurricane
- Winlink messages may be sent over amateur VHF and UHF, as well as HF. Tonight we will be discussing HF
- Using HF radio, it is possible to connect with Winlink over long distances

Winlink Messaging System

- Like regular e-mail, Winlink messages are sent to a specific address, and may contain attachments such as pictures, maps, ICS forms, etc.
- E-mails can be sent between other Winlink stations and normal SMTP/POP3 e-mail servers like gmail.com
- The software and use of the Winlink system is free, however, a donation is suggested.

Winmor

- WINMOR: Winmor was developed by the Winlink team as a low cost alternative to Pactor 3
- WINMOR and ARDOP are HF software terminal node controllers (TNC's). Both are included in the Winlink express free software. ARDOP is in beta testing and Winmor will eventually be removed.
- It operates directly through your computer, or through low cost sound card devices such as the Signalink USB



Equipment Needed for Winmor

Requirements are modest

- Computer running the Windows operating system
- Winlink Express Client software
- A Signalink USB sound interface or a digital ready HF radio
- An HF radio and associated antenna

Radio Setup

- Many modern HF radios can connect directly to your computer, which means you can get set up without any expense
- If your radio does not connect directly, one option is the Signalink USB which allows you to use most radios with a dedicated patch cord
- My first setup was with an 80's vintage Icom 735 that worked fine with Signalink

Common Problems

- You have to make a radio based connection every 400 days, or your account will be suspended.
- If you change your call sign, you will need to register again as a new user.
- If you don't use the system, you will repeat a learning curve to get up to speed. Sending a monthly email to your ARES coordinator is a great way to stay current, and highly recommended.

How to get going

To get setup, read the info at:

- www.winlink.org
- www.signalink.com

Or contact :

Tom (K5BV)

or

Bob(KF5CFU) for help

Credit

Much of the information for this presentation was taken from a document prepared by Mike D'Amore, N6MDA.

ARES District 4 Net Script

July 05, 2018 Rev. 1 (net date)

Script Rev 06-22-2018

Good Evening everyone and welcome to the South Texas District 4 ARES net. This is

Tom (name) K5BV (call)

ARES EC for ARANSAS and SAN PATRICIO COUNTIES

(position e.g. member, AEC, etc. & County)

I will be the Net Control Station for tonight's net. First, if there are any stations with priority or emergency traffic please call

K5BV (call) at this time. UN-KEY

Either say "**nothing heard**" or handle the traffic immediately.

All hams in all Counties are welcome to check in to this net. You do not need to be an ARES member to participate in this net.

The purpose of ARES, the Amateur Radio Emergency Service, is to furnish emergency communications via amateur radio when regular means of communications fail or become inadequate during an emergency situation. ARES is sponsored by the ARRL, and supported by area radio clubs and individual hams. The only qualifications for ARES are that you possess an amateur radio license and you have a desire to help others. For more information or off-net questions please contact one of the following by email

Mark Dist. 4 EC - - - - - ad5ca@arrl.net
Tom EC for Aransas & San Patricio County - - - - k5bv@arrl.net
Bob Asst EC for Aransas County- - - - - kf5cfu@arrl.net
Jim EC for Live Oak County- - - - - w5im@arrl.net
Harley EC for Kelberg County - - - - - kg5ayd@arrl.net

The net is currently scheduled monthly for the First Thursday at 8 PM. This is subject to change. We are currently using the 147.060 repeater in Corpus Christi with a (+) PLUS offset and a 107.2 tone.

This net is being conducted for the purpose of providing training and information related to emergency communications; to serve as a forum for discussion; and to foster fellowship among Amateur Radio operators.

Next, are there any operators who would like to make announcement or provide information related to EmComm? This is not general check-in. Please state your call now.

Tonight after Check-In BOB (name) KF5CFU (call) **will be discussing WINLINK Global Radio Email**.

For Check-In, if the frequency has been clear a second or two key the MIC and s-l-o-w-y give your FCC call sign using ITU phonetics spoken clearly and slowly and UNKEY. Stating your name as well will be appreciated. Writing calls down takes a moment so allow a couple of seconds. Keep checking in and calls will be reviewed for clarifications, errors and missed calls. Please check-in with K5BV (Call) now.

(note these actions)

- *read each call back,*
- *ask for corrections*
- *ask for additional check-ins*

We will have comments after the tonight's material on WINLINK. Please go ahead BOB KF5CFU. This is K5BV (call & UN-KEY)
(after handed back)

Thank you BOB (presenter name).

Before we go down the list for comments if there any late check-ins please provide your call now. (again note these actions)

- *read each call back,*
- *ask for corrections*

Net Control K5BV (your call) will now go down the list for comments. If the comment is a question on tonight's topic KF5CFU will respond directly.

- *go down list of check-ins*
- *now have presenter give their replies*

Final call for check-ins. Additional stations for the net please check-in now with K5BV (your call).

(again note these actions)

- *read each call back,*
- *ask for corrections*
- *ask for comments*

THIS IS NET. We had XX check-ins tonight. Thank you all for joining the ARES net tonight, and thanks to the repeater owners and mountaineers for the use of these fine repeaters. I am now closing the net and returning these repeaters back to normal amateur radio use. Stations may remain on frequency to make additional QSOs.
Net Control K5BV (your call) Out.

FCC CALL

NAME

DATE 07-05-2018

01 _____

_____ *(ENTER NET CONTROL)*

02 _____

03 _____

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