

The popular FLDIGI application is available for android devices. With this, you can operate digital modes using your cell phone and HT, tablet and mobile, or whatever android device and rig you have!

The FLDIGI app is not located in the play store, but can be downloaded from the w1hkj website at:

<http://www.w1hkj.com/vk2eta/>

You want to download the AndFlmsg-1.2.0.apk file to your Android device. (Navigate to the above website using your device and click on the file to save it directly to your phone or tablet) This file is a package installer and running it from your device will install FLDIGI and FLMSG.

You may also wish to download the AndFlmsg - Flmsg with Fldigi Modems on Android - User's Manual V-1.2.0.pdf to read through the user manual in PDF format.

This single file installer package is similar to installing FLDIGI, FLMSG, and FLWRAP on a PC. It contains all the functionality you need to send and receive digital forms.

You may receive a security message when installing. This is due to the fact you're installing an application manually (i.e. this program was not installed via the Play Store). To continue, you'll need to enable the option to install apps from unknown sources. The install should take you to the correct screen to enable this option, but if it doesn't, its located under "Settings" -> "Security" -> check the box for "Unknown Sources". Depending on your version of Android OS your options may be worded slightly different but should be close enough to figure out.

Open the AndFlmsg app to get started. Press the menu icon in the upper right of the screen (it will probably look like 3 dots or 3 lines) and go to "preferences". Click the "Mode List" option and scroll down and check "Use MT63\_2000\_LG" then use your device's back button to go back one screen in the preferences. Check the box for "Use custom list of modes". Use your device's back button again to return to the FLDIGI main screen. This will configure the app to use the FLDIGI mode used by Coshocton County ARES. Swipe the screen right to left to get to the "Terminal" screen. The top of your screen should say "AndFlmsg-MT63\_2000\_LG", if not click the "Next Mode" button until it does. Press the "W.FALL ON/OFF" button to turn on and off the waterfall. Pressing the "MODEM ON/OFF" button will toggle the power status of your modem allowing you to send/receive with the mic and speaker of your device.

To send a test message you can swipe back to the terminal screen (swipe left to right from modem screen). Type in a message and press "SEND TEXT". You should now hear your modem playing the test message.

The "Inbox" screen (3rd screen of the program by swiping right) will allow you to compose messages by using common forms. Press the "Compose" button and long press on the form name you wish to use. (For example ICS213.html) This will open the form for you to fill out. Fill out the form and press "Submit, Save in Outbox". This will return you to the previous screen. Press the "Outbox" button and long press on the form you just created. The filename is created with a

time/date stamp to determine which file you want. Once you long press on the form it will open and you can click "TX OVER RADIO" to send it. The device will play the message via the modem and place your message in the outbox. To resend the message click on the "SENT" button and long press on your message. You can then transfer the message back "TO OUTBOX" and repeat the process to send it again.

To exit the program click the menu button (the 3 dots or lines in the top right) and press "Exit".

Once you learn the process you can test sending and receiving messages on or off the air. You will use "audio coupling" to accomplish this (key your mic, press send, the device will play the transmission from its speaker, your mic will transmit the message out the radio). To receive a message place your device next to the speaker of your radio while someone else is sending. If you already use FLDIGI on your PC you can practice sending and receiving without transmitting over the air. Your PC will play the message out the speakers and your Android device will listen with the microphone. Reverse the process and send the message with your Android device and let the PC listen with it's microphone. With this you can practice configuring your settings and sending forms off the air to get the hang of it. Once you have it configured, or if you don't have a PC to test with, jump on the 145.230 machine and ask for someone to practice with. Practice can be done over the 145.230 repeater or by operating Simplex if you can. Several members have been active with FLDIGI lately and the more practice the better for everyone!

The Coshocton County Digital Net takes place the first Wednesday of every month at 8pm on the 145.230 repeater. The settings outlined above will configure your device to participate in this net. The local settings are operator mode: MT63-2000L with the center of the waterfall at 1500. (if you configured your android device using the steps above you're all set!) Please plan to participate in this monthly practice, if you need help getting set up to operate digital just ask!

The Ohio Digital Emergency Net (OHDEN) takes place on Tuesdays at 7:45pm after the Ohio EMA net. OHDEN meets at 3585 khz USB (7072 khz alternate) and operates OLIVIA 8/500 PSK31 alternate, with MT63 1K for bulletins. You can add these modes in the "preferences" section of the AndFlmsg app to use your android device with your HF rig to participate in this net as well.