AndFlmsg Quick Start Guide For Version 1.3.9 – 27th of Februsary 2020

Flmsg with integrated Fldigi modems for Android

Quick start

To install, download the .apk file to the device and select from a file manager. Note that "Allow unknown sources" needs to be selected in the security or application section of the device settings.

When first launched, you will be prompted for a location of the NBEMS.files folder. You can select to use the default option (typically on "sdcard") or choose another location. If choosing your own location, navigate **to inside** the desired folder then click OK.

On subsequent launches, the application will directly displays the terminal screen. Navigating to the other screens is done by a left or right swipe movement on the screen.

The menu button (earlier phones) or menu icon on the screen brings a menu to exit the application and setup the preferences.

Before using the application on air, please set these key preferences:

a. The User's call sign (in the User Data section)
b. In the Modem section, check the audio frequency (default 1500Hz)

The standard list of forms is installed at first launch in the NBEMS.files directory. This currently includes ALL ICS and HICS forms plus Plaintext, Radiogram, IARU, Blank form, CSV Form, and a "Picture form".

At subsequent App releases, the new forms can be added with the menu option "Update Forms".

To use other **custom forms**, simply download and copy them in both folders "DisplayForms" and "EntryForms" under the NBEMS.files folder.

If you want to manually handle files on the device, use a file explorer for moving files around from the Download directory to the desired location.

The three screens are:

- Terminal (where error message and key information about message reception are displayed)
- Modem (To change modem, start/stop modem, send a tune, view the waterfall...)
- Messages screen, further divided in folders: Inbox, Compose (for creating new messages), Drafts, Outbox, Sent items and Logs.

Important Note: that as long as AndFlmsg is running (I.e has not been "exited"), it will use the microphone as its input and therefore will prevent other apps like Skype for example to use it.

Always press Menu then Exit when you are finished with AndFlmsg.

An “Antenna” icon is now displayed as a reminder in the notification are of the screen while the modem is running.

- **How do I...?**

  - **Create a message**: Swipe to the messages screen (where the “Inbox”, “Outbox”, etc.. buttons are), select Compose. Select the form by long-pressing the desired form, fill in the fields and navigate to the bottom. Press “submit, Save to Outbox” ready for transmission.

  - **Send a message over the radio**: Select the “Outbox” folder. The last message is at the top. Select the message by long-pressing. Choose the Tx digital mode then press “Tx over Radio”.

  - **Forward a message I received, using the radio**:
    - to Forward as-is: open message in Inbox folder by long-pressing on the message, then select “Copy to Outbox”. Press the “Return” button. Tx as above.
    - to Edit before forwarding: open message in Inbox folder, press “Copy to Drafts”. Press “Return”. Select Drafts folder, long press on message, edit, then press “Submit, save in Outbox”. Tx as above.

  - **Forward a message I created, received or sent, using the internet or Bluetooth:** Select the message in its folder (Inbox, Outbox or Sent folders only). Press the “Share” button.

    Select the “for Sending over a network” option, then select the format you want to send it in: RAW (as stored by Flmsg. Can be opened by a remote Flmsg program running on PC), Wrap, same as RAW but enclosed in a WRAP header and checksum (can be imported in Flmsg using the WRAP-import) or HTML for display or printing only.

    From the list of apps offered, select the one you want to use to send the message.

  - **Print a message I received, created or sent:** Select the message in its folder (Inbox, Outbox or Sent folders only). Press the “Share” button.

    Select the “for Viewing or Printing” option, then select the format you want to view/print it in: most likely HTML or alternatively RAW or Wrap.

    From the list of apps offered, select the one you want to use to send the message.

    So far, I have had success with PrinterShare (available in the Playstore. Not free for printing over WIFI, Bluetooth and USB unfortunately).

- **Create and send a “Picture Message”**: Select Compose, then the “Picture” form. Press “Attach Picture”. Choose your source: Camera for a new picture, Gallery for existing pictures, or select via a File Manager if any is installed on your device. Then press “Submit, save in Outbox”.

Important: the image will be down-sized if it is above the megapixels limit set in the “Image Attachment” preferences (0.5MP by default). It is then displayed in its final size in the form.

To send, select Outbox, select the message then choose the Digital mode. The image can be sent digitally (as part of the message text) or in MFSK image mode. The extra buttons of “Image Mode” and “Speed/Color” cycle through the options. The timings are adjusted as the parameters are changed.

Note that higher speed (X4 in particular) require wider modes (MFSK64 or better MFSK128) to produce quality images.

- **Create or edit a “CSV” Message**: Select Compose, then the form “csvform”. The data can be edited or pasted directly in the text box. To edit in a spreadsheet (OfficeSuite is recommended, free in the Playstore), click on “Edit in Spreadsheet” button.

A list of app candidates is presented. Choose OfficeSuite for example. In OfficeSuite, choose “Automatic” for character encoding and press OK.
Any data present in the form will be displayed and can be edited in the spreadsheet. Save the spreadsheet and press the back key to return to the form.

Proceed as for the other messages.

- **Reduce the long list of digital modes** I have to scroll through: Press the menu button or the 'three dots” at the top or bottom of the screen, select “Preferences”. Select “Use Custom List of Modes”, then press on “Mode List”. Select the modes you are likely to use. Note that RSID detection and reception will still work for the de-selected modes.

73, John (VK2ETA)