

JS8 Presentation

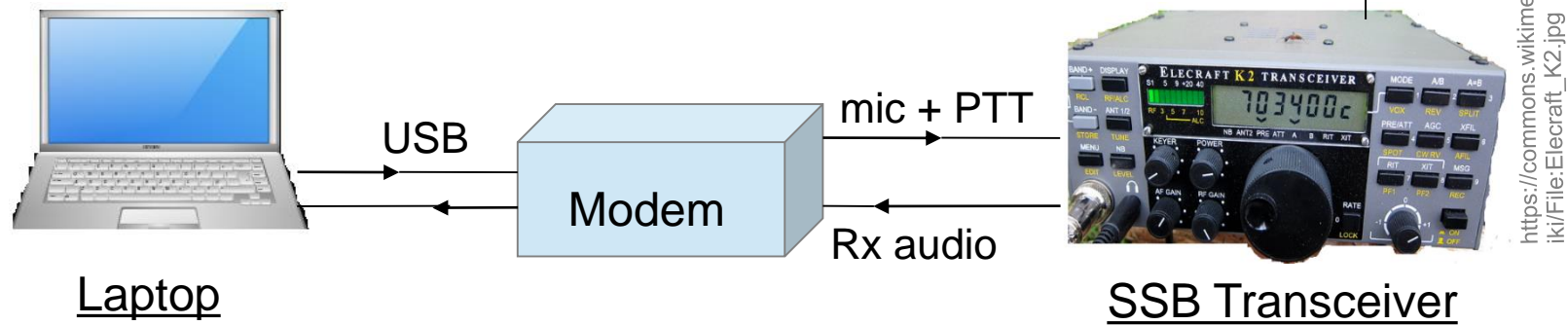
By John Heartney KG4NXT March 19, 2019

JS8 - Created by Jason KN4CRD

- Digital mode that is conversational and has some interesting extras
- Sound card mode – if you have FT8 , PSK31, JT-65 or WSPR, you are a software download away from JS8
- Derived from the FT-8 code base with grudging approval by Joe Taylor K1JT – will get through below the noise floor – excellent when conditions are bad -
- Speed – claimed 15 wpm + which is ok for conversations. Uses two kinds of compression – one is dictionary for some common QSO words and also compression for rest

Soundcard Mode

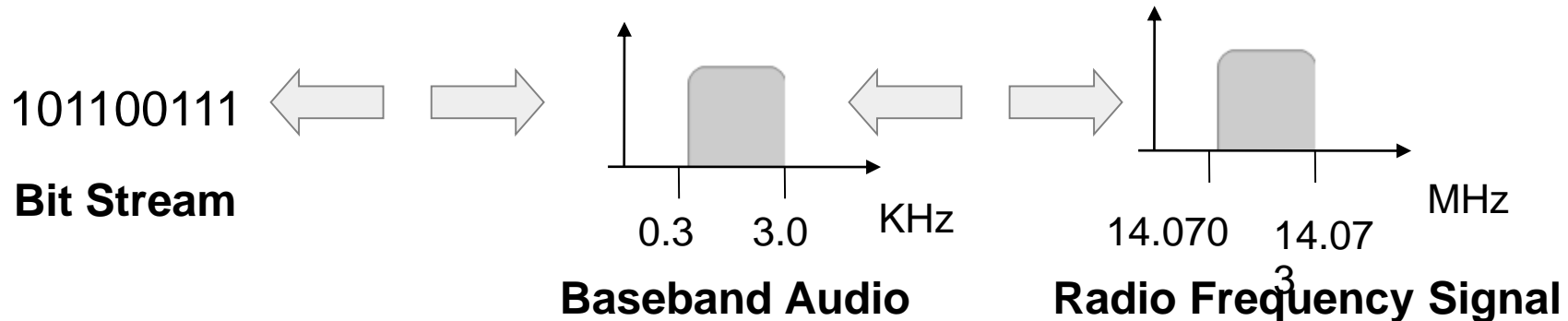
What's that?



Application software generates / translates the bit stream.

Translates between bits and baseband audio. May be laptop's soundcard or external hardware.

Translates baseband audio to/from radio frequency.



JS8 differences from FT8

- Multiple frames linked together – not interoperable with FT8
- Free form text entry
- Beacons with Heart Beat – you can find out who is hearing you
- You can send short Email or Text message via APRS network – do not need to be ‘connected’ like winlink
- Relay through another station to a third station and have a path back for a reply
- For logging, MFSK submode for LOTW and other logging programs

JS8 – how to get it

- Works on all bands
- You need basic sound card setup with Signal link or other interface
- To download, join JS8Call group <https://groups.io/g/js8call>
- Then you can download at <https://groups.io/g/js8call/wiki/Download-Links>
- You tube video on how to install <https://www.youtube.com/watch?v=xuMjf-YXQu0&feature=youtu.be>