

argo143_guide_G0MQW

- 1) Install Argo V1 build 143
- 2) Create a folder for your grabs
- 3) Select appropriate sound card (not you can install an external USB soundcard to creat multiple grabbers)
- 4) Setup / setup callsign: specify your callsign and locator and any message e.g. "test"
- 5) Setup / select "auto-run when programme starts"
- 6) Setup / select use UTC time
- 7) Setup / calibration : enter 10138700 (30 metres QRSS offset) in the offset window. Others at 1000.
- 8) Speed / select slow
- 9) Capture / select change to the grabs folder you created
- 10) A window opens "Specificy now the prefix (this is your file prefix e.g. g0mqw_30m
- 11) Capture / chang the file format to JPEG
- 12) Change interval in seconds to 600 seconds for 10-minute synched QRSS signals or your choice
- 13) Capture / select autostart with current settings
- 14) Connect radio set audio out to the line or microphone in of your PC/soundcard
- 15) Set the radio to between 1.8 and 3 kHz bandwidth; USB filter; AGC off; RF gain low to medium by ear
- 16) check that you can hear the radio in the computer speaker or headphone or soundcard monitor
- 17) Set the Contrast bar at the bottom of the screen to 50%, sensitovity should already be 50% 33 34
- 18) Press start (bottom right)
- 19) Adjust the frequency in the right-hand axis by right-click and pull mouse down or use the square to pull the 37 scale until the top frequency is 10140100 (the top off QRSS)
- 20) you can adjust the span of the right hand scale by using "SHIFT" key and the "+" key to expand 40 or "CAPS LOCK" and the adjacent "-" key to reduce it.
- 21) Full QRSS span is about 200 Hz 10139900 to 10140100
- 22) Adjust the RF gain of the RX so the green audio bar at the left indicates about 1/8 scale and slight movement.
- 23) You may be lucky and see a QRSS signals start to appear from the right.
- 24) If you see signals press the 0 above CAPTURE OFF to turn CAPTURE ON.
- 25) If you cannot see and QRSS signals check that you have the audio going to your sound card and mixer.
- 26) A good test is to tune to a local AM broadcast station. tune exactly 1.3 kHz low using USB. You should 53 hear a 1.3 kHz heterodyne.
- 27) e.g. Tune to an AM station on 1440 kHz. Now tune down to to 1438.7 kHz USB. All AM radio stations are on 56 multiples of 9 khz from 531 to 1602 kHz. OR 10 kHz in Canada/USA
- 28) The heterodyne should appear as a horizontal line trace at 1014000 Hz. If you see that line the Argo grabber is working.
- 29) Now watch for QRSS signals
- 30) You can upload your grabs by FTP using the integrated FTP function. It will need rebooting occasionally, as it does freeze. "Connection closed gracefully" isn't an usual message, it requires you to closw the programme using Windows Task Manager.
- 31) You can also create a grabber by creating a Box or Dropbox account and

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sharing the folder which contains your g rabs.

32) The offset 10138700 is the same for WSPR, so you can install WSPR and receive WSPR simultaneously.

33) You could set-up a slow grabber using Spectrumlab which takes hours not minutes to fill the screen.

Any ammendments please let me know. Chris GØMQW