OH1KH's additions to cqrlog 2.0.5 rev 1

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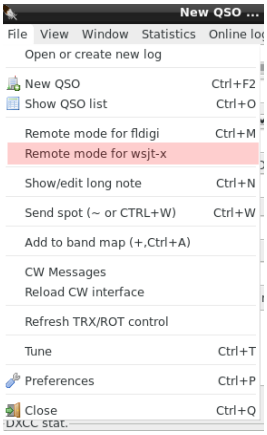
Selections



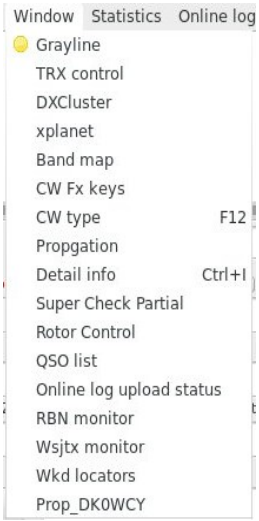
I have made some additions to OK2CQR's logging program Cqrlog. Here is a brief description of them.

You can find source code from https://github.com/OH1KH/cqrlog
from source code you will find README.OH1KH that explains
what is done and what bugs are found/fixed

Added remote mode for WSJT-X. Communication is made via UDP that is supported from WSJT-X 1.5.0 upwards.
This property is now found also from Cqrlog original version 1.9.1 onwards.

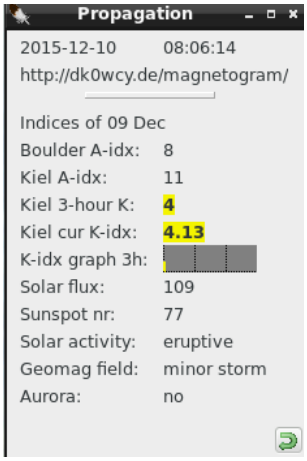
When remote mode is selected it shows last received WSJT-X packet type number after text “Wsjt-x remote” text. Also color of text changes while receiving packets.
These will show you that UDP link is alive between these programs.

From window selection list you can find now some new properties.



“Wsjtx monitor “ is visible only if WSJT-X remote mode is selected.

Prop_DK0WCY



This propagation form is an alternative showing details from dk0wcy page with 3 hour graphical display of K-index.

As Boulder information at dk0wcy is one days old top of form shows time when information is read from dk0wcy web page.

”Indices of”- shows the age of Boulder data. Kiel information is up to date as they are produced by dk0wcy.

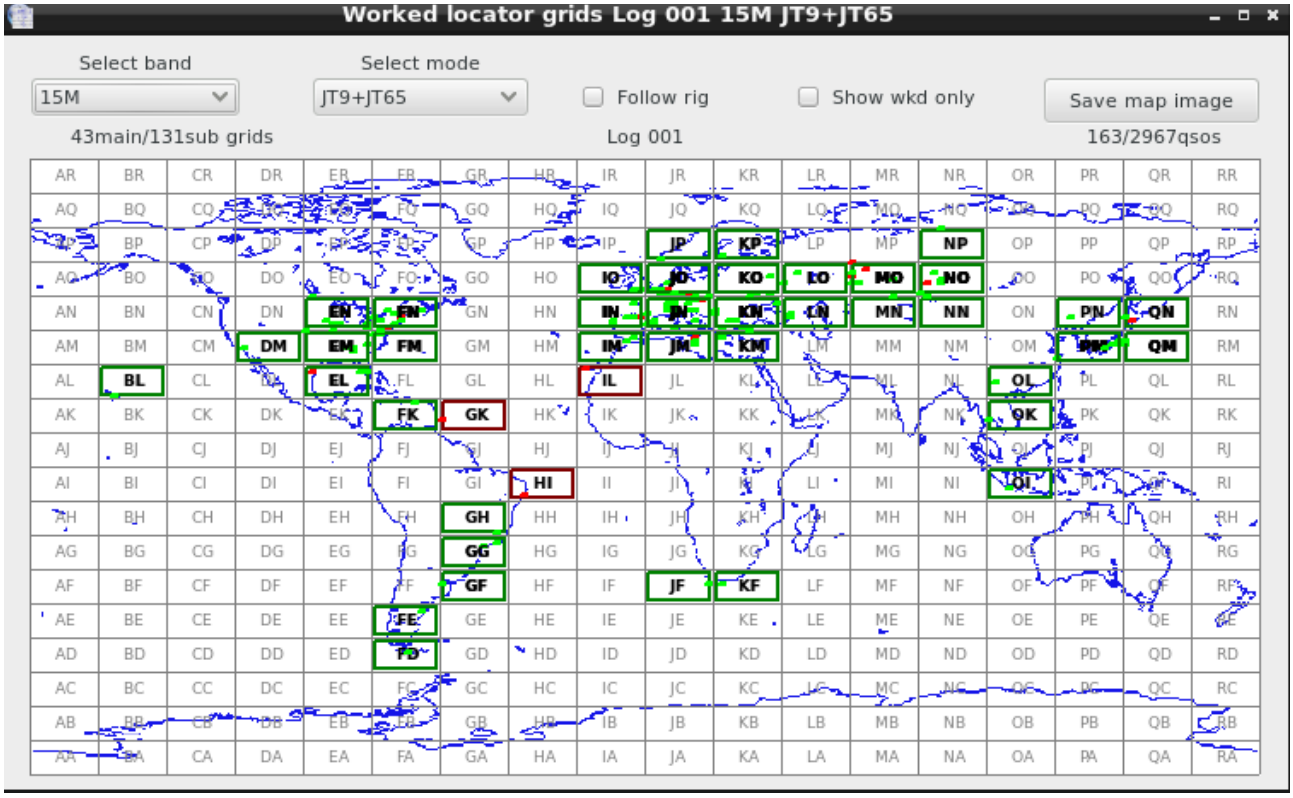
There is also link to dk0wcy web page. By clicking it page opens to default browser.

CW Keys

CW keys from has new buttons PgUp and PgDn that are not configurable.
They alter CW speed in same way as keyboard keys PgUp and PgDn.

Done this because of two reasons:
My small HP Compaq mini laptop did not have PgUp and PgDn keys at all on it's keyboard!
When using external keyboard and CW keys form with mouse you always had to first focus NewQso form to be active and then press PgUp / PgDn keys. Now you can do it from same focused form that you launch memories with mouse.

Worked grids



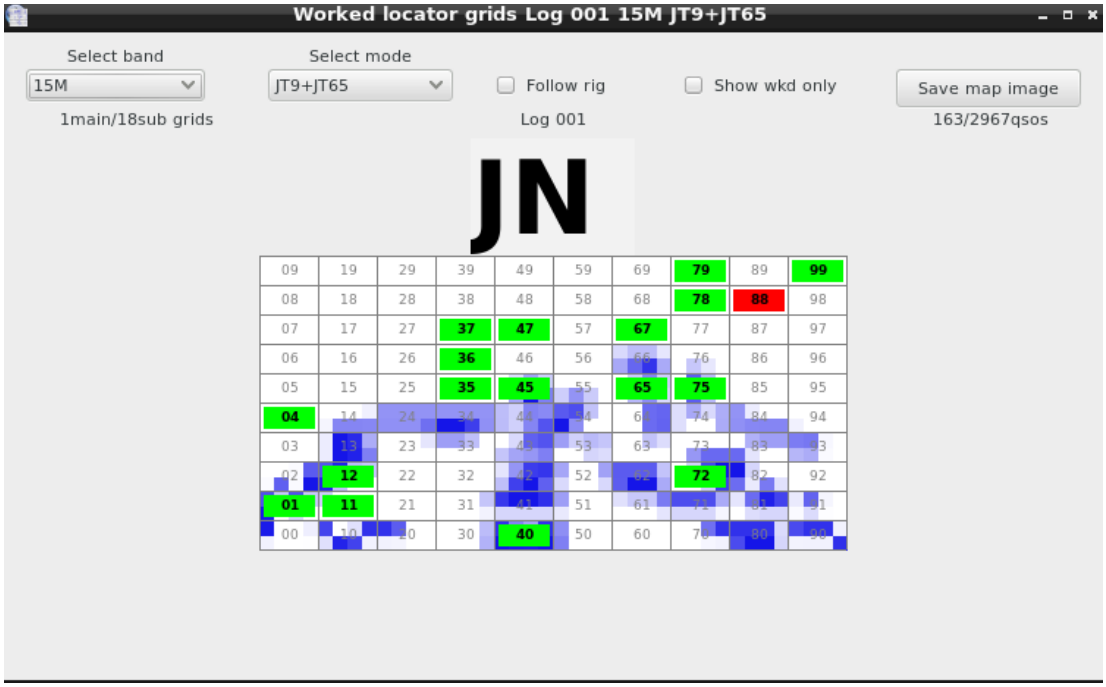
I moved this from my previous project from SourceForge. It was made to show up worked locator grids from JT65-HB9HQX early version's logs. It fits cqrlog nicely and gives graphical view of locators worked in addition of cqrlog's own text based information.

As for JT-mode workers this map us useful also for V-,U-,SHF workers who are collecting locator grids.

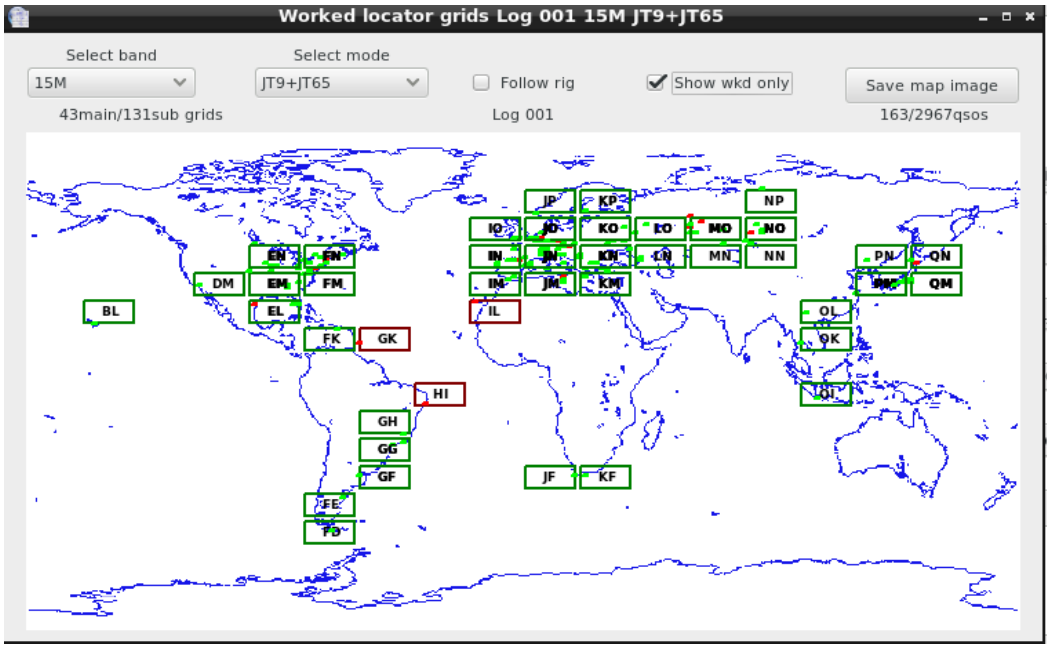
Map shows worked grids on selected band and mode, or all bands and modes. Or you can select ”Follow rig” and then map follows band and mode that rig is sending to cqrlog via rigctld.

Confirmed main grids show up as green, unconfirmed as red. Subgrids show up with dots inside main grid with corresponding colors.

You can click any main grid to zoom it. Again colors tell you about confirmation.



Clicking again on zoomed main grid brings back whole map.

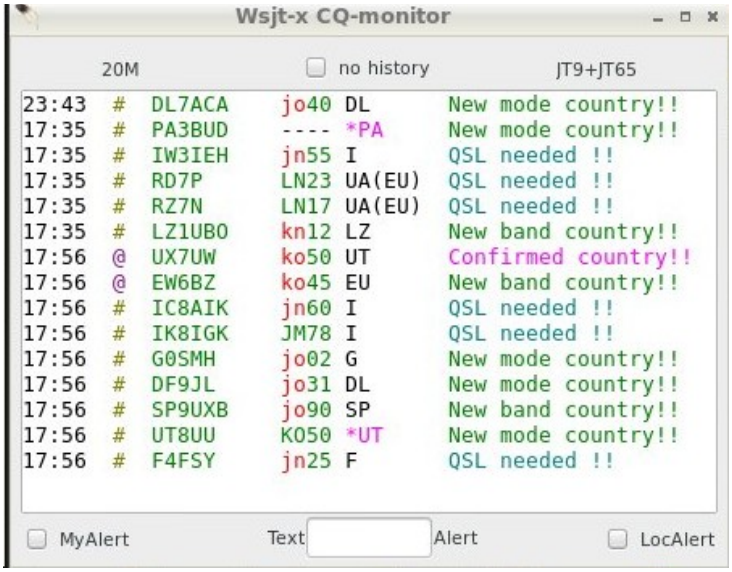


By selecting ”Show worked only” removes unworked grids from map.

At any time you are able to save map currently shown as an image for other purposes.

Grid map, unfortunately, does not scale. So size is what it is and you have to accept that. Sorry, but it simplified a lot the production of graphics.

Wsjt-x CQ-monitor



Wsjt-x CQ-monitor form opens when you select ”Wsjt-x remote” from ”File”.

You can close this form and reopen it later via Window/Wsjt-x CQ-monitor that is visible only when remote mode is selected.

Top line will show band and mode that is in use, Checking ”no history” will clean monitor on every decoded RX-period. If not checked form will show also older Cqs (scrolling) to see what you missed while having a coffee break :)

At bottom there are 3 alerts to select. The priority of alerts is same as numbering here. Smaller number overrides previous having highest priority. Alert is executed only once per minute (decoding section).

1. ”**My Alert**” will alert if someone answers your cq-call. It is useful if you are reading your mails, Facebook or what ever on another desktop while calling CQ with Wsjt-x :)

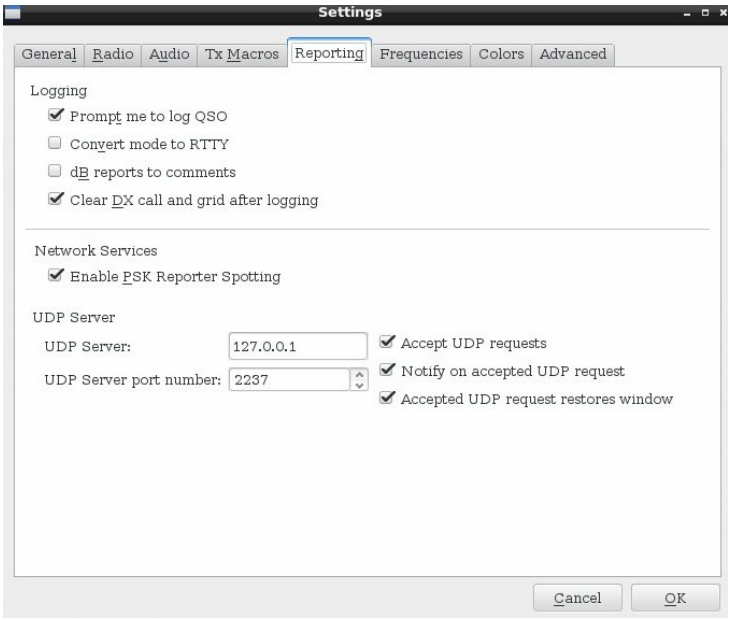
2. ”**Text Alert**” will alert if text of monitor line includes your definition. To have alert from “New country” just type ”w c” on text box between ”Text” and ”Alert”.
Text box text can contain spaces, but not at start or end.

3. ”**Loc Alert**” will alert when there is new main grid that you have not worked on this mode&band.

Line at CQ-monitor contains:

- time
- mode (# JT65, @JT9)
- callsign with green up-case letters if not worked this band&mode, red low-case letters if already worked here
- locator grid with green and up-case if not worked on this mode&band, red low-case letters green numbers if main grid is worked but subgrid is new or completely red low-case if subgird is worked on this band&mode.
- country prefix. Added with asterisk * and different color if station is calling directed CQ like:
  CQ DX, AS, AF, OC, NA, SA .. what ever, it also notices the old standard way calling DX like:
  CQ CALLSIGN DX.
  I is set as warning for you to check that you are in directed area before answering to CQ.
  I.E. In case of CQ DX you should be in DIFFERENT CONTINENT as the CQ caller.
- information of DXCC status compared to your logged qsos.

You can start Wsjt-x qso by double click a monitor line. Wsjt-x will move to callers QRG and initiate TX.



This requires Wsjt-x's Configuration/Settings/Reporting to have at least “Accept UDP requests” selected.

A line where someone has answered to you (your call is first at Wsjt-x data line) has ”=” sign just at start of callsign. Clicking that line does not continue qso. Wsjt-x remote does not allow this kind of command preventing automated qsos. So at this case you have to go to Wsjt-x screen and initiate report sending by yourself.

Either qso is started from CQ-monitor, or Wsjt-x screen itself, the opponent callsign is added right away to New QSO's callsign field. This way you can see right away if you have had qso with this station on other modes/bands and also all other information like DXCC status, QRZ/HamQTH information etc.

When you either press “Log QSO” at wsjt-x window itself or logging is done automatic when sending “73” you will have wsjt-x's logging form open.
After finishing with it, and pressing OK, information is transferred to cqrlog database.
If you have enabled auto search from QRZ.com/HamQth.com in cqrlog's preferences all information is fetched during your first transmit (report sending).
You may alter that information at NewQSO form and it is saved along with wsjt-x logging information.

In case that fetched data has same, but longer locator than wsjt-x qso data the longer is logged.
I.E wsjt-x data gives KP01, but QRZ.com KP01TN, the longer (more complete) is logged.
If locators differ wsjt-x data is used.