

N7TNP

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EXTRA

WSJT-X 2.0

UPDATE

DECEMBER 2018: WSJT-X 2.0

- ▶ WSJT-X and FT8 Recap
- ▶ Protocol Overhaul
- ▶ Logging Features and 3rd Party Assistants
- ▶ Improved Compound Callsigns
- ▶ Contest Modes
- ▶ Fox/Hound Modes

WSJT-X RECAP

- ▶ FT-8: The digital mode of digital modes.
 - ▶ 60% or more of HF QSOs are made with FT-8
- ▶ Software suite of several weak signal digital modes.
 - ▶ Signals can be decoded or heard by the software well below the noise floor.
- ▶ I will be sure to share my previous FT-8 Presentation (and this one) with Bryan to have it posted to the Club site.

PROTOCOL OVERHAUL

- ▶ WSJT-X 2.0
 - ▶ 77-Bit encoding for FT8 and MSK144
 - ▶ Allows for more than 13 characters and contest modes
 - ▶ Older Versions of WSJT-X will no longer work with the new version. Joe Taylor has encouraged/asked everyone to upgrade to the new version.

LOGGING AND UTILITY APPLICATIONS

- ▶ New native support for N1MM Logger
- ▶ New native support for WriteLog
- ▶ Third Party Assistant Apps
 - ▶ JT-Alert
 - ▶ Facilitates logging to other 3rd party apps
 - ▶ DXCC Alerts
 - ▶ State Alerts
 - ▶ Grid Alerts

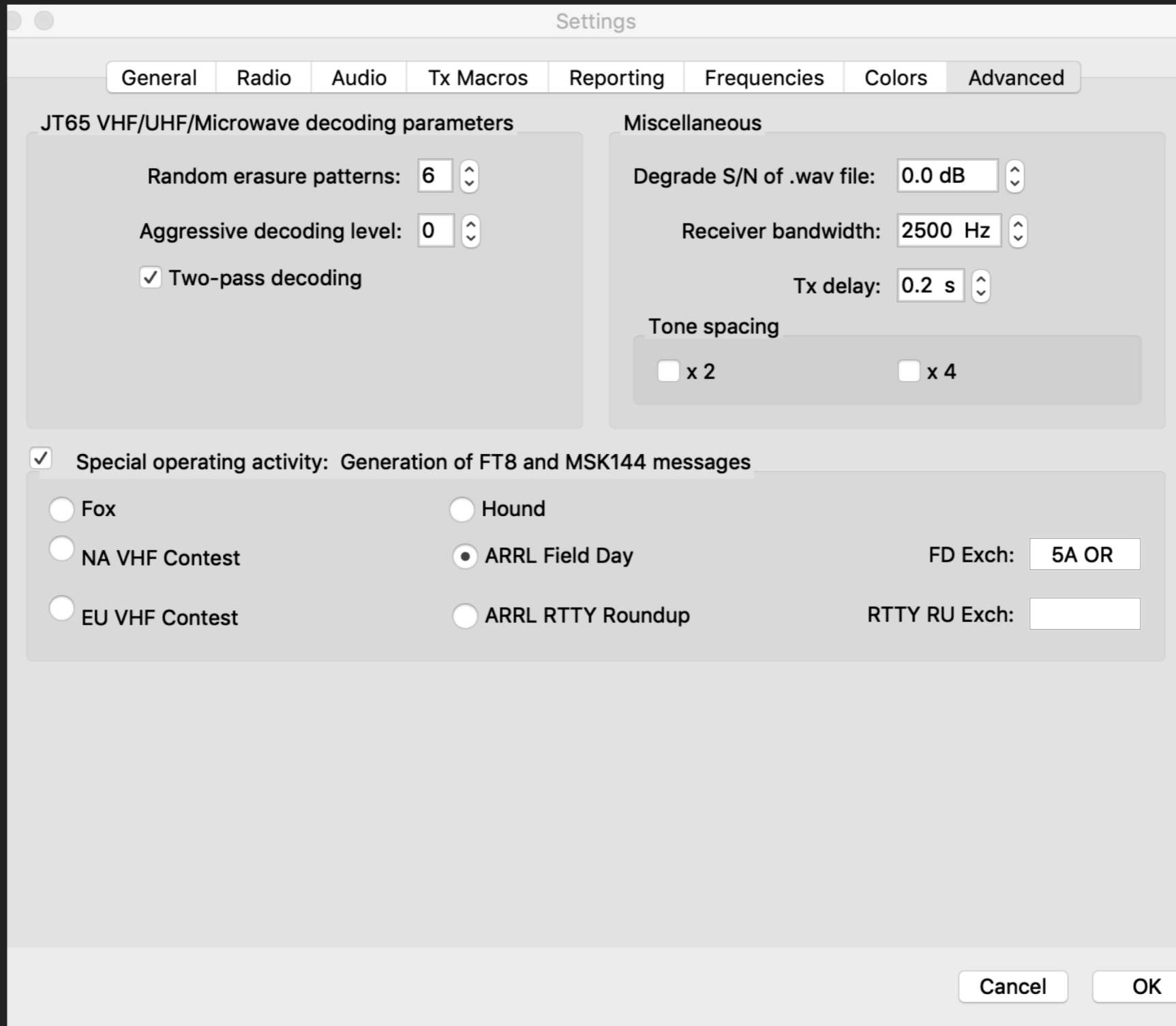
IMPROVED COMPOUND CALLSIGN HANDLING

- ▶ Compound callsigns
 - ▶ Not Available for Contests
 - ▶ Examples: PJ4/N7TNP
 - ▶ N7TNP/P (or /R)
- ▶ Previously compound callsigns could only be used in CQ messages and 73 messages.

CONTEST MODE!

- ▶ By far the best feature of the 2.0 update.
- ▶ Supported contests:
 - ▶ Field Day
 - ▶ NA VHF
 - ▶ EU VHF
 - ▶ ARRL RTTY Round Up
- ▶ 2018 Field Day we made many contacts on FT-8.
 - ▶ To exchange our Field Day Class and Section we used a 73 Macro. Now this makes life much easier.

HOW TO ENABLE CONTEST MODE



DXPEDITION MODE (FOX/HOUND)

- ▶ WSJT-X Introduced a DXpedition Mode in Version 1.9
 - ▶ DXpedition mode best practices:
 - ▶ Must not be used in conventional FT-8 Sub-bands.
 - ▶ Only when sustained QSO rates of 100/hr are expected.
 - ▶ Use CAT Control with Split or Fake It turned on.
 - ▶ Enable 'Monitor returns to last used frequency' setting.
 - ▶ Do not call the fox if you are not seeing messages from them.
 - ▶ Weak signal mode, keep that in mind when selecting your output power.

DXPEDITION MODE (FOX/HOUND)

- ▶ Fox Mode
 - ▶ I recommend you read the DXpedition mode PDF on the WSJT-X page.

DXPEDITION MODE (FOX/HOUND)

▶ Hound Mode

- ▶ Add the Frequency of the Rare DX you are seeking in the Frequencies Tab in your settings.
- ▶ Be sure to enable 'Hound' Mode.
- ▶ Enable 'Double Click on call sets TX Enable' Setting.
- ▶ Enter the Call of the Rare DX in the DX Call box. Be sure to include the complex call if being used (KP4/N7TNP).
- ▶ Set your TX frequency in WSJT-X to between 300 and 900.
 - ▶ The fox will not pick up your call if you do not do this!

QUESTIONS?