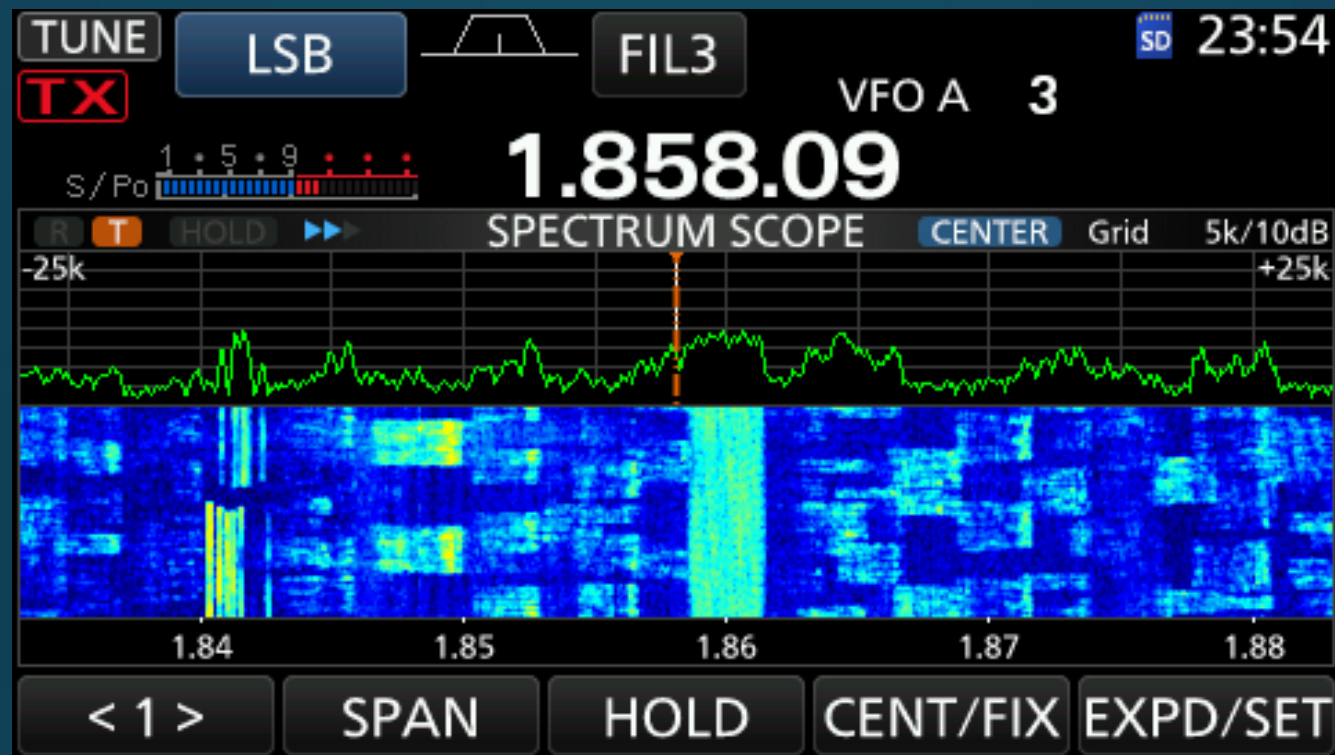




Hvordan sette opp N1MM+ til CQ World Wide SSB Contest
Eksempel: ICOM IC-7300

Oppsett av N1MM+

Begynner med å laste ned N1MM+

- N1MM+ kan lastes ned her:
<https://n1mmwp.hamdocs.com/downloads/n1mm-full-install/>
- Begynn alltid med å laste ned og installere fullstendig installasjon.
- Følg instruksjonene under installasjonen.
- Installerer alltid N1MM+ på anbefalt folder:
[C:\Program Files \(x86\)\N1MM Logger+](C:\Program Files (x86)\N1MM Logger+)
(Da slipper du problemer senere.)
- Under første oppstart av N1MM+ er det normalt at det vil laste ned en eller flere oppdateringer. Godta disse oppdateringene.



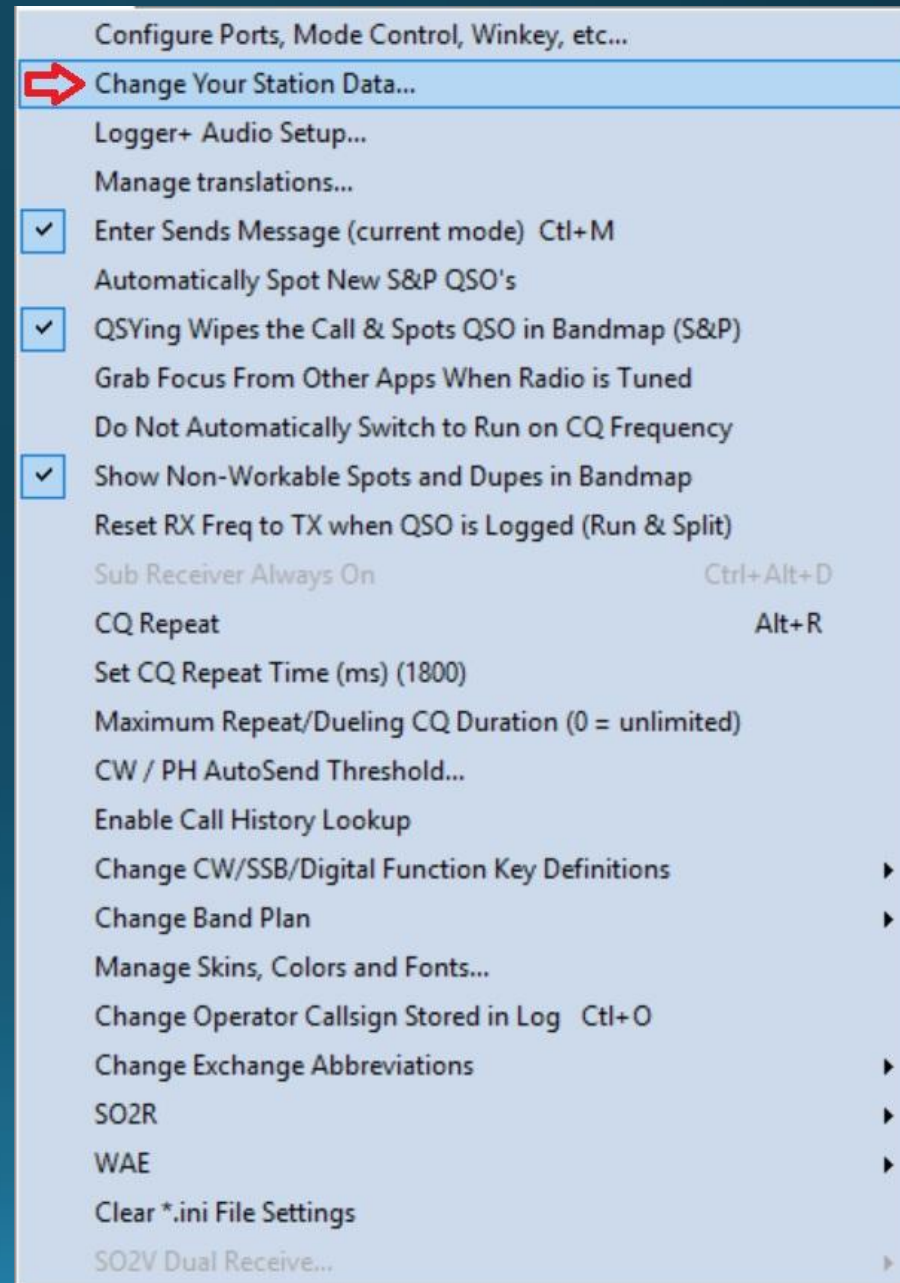
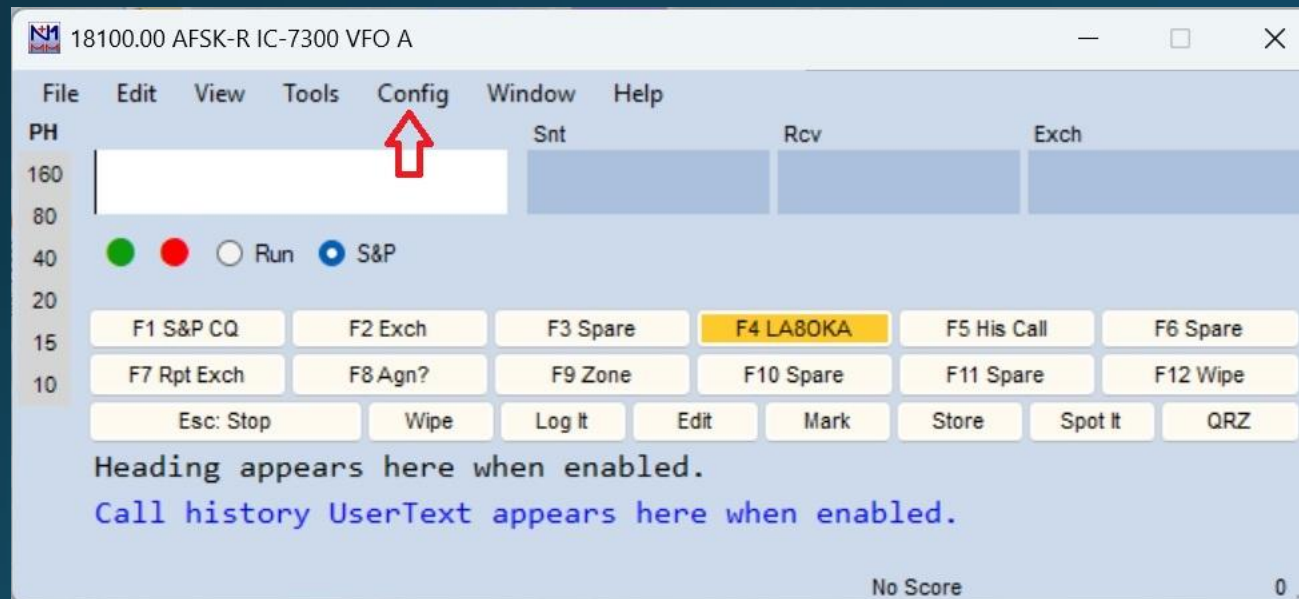
Eksempler

- I denne presentasjonen brukes følgende eksempler:
- Contest: CQ World Wide SSB
- Transceiver: ICOM IC-7300
- Andre contestere og andre transceivere vil ha lignende oppsett.



Stasjonsdata

- Begynn med å legge inn stasjonsdata.



Stasjonsdata

- Informasjon om deg:
- Kallesignal
- Epostadresse
- Transceiver
- Antenne
- Etc...

Edit Station Information

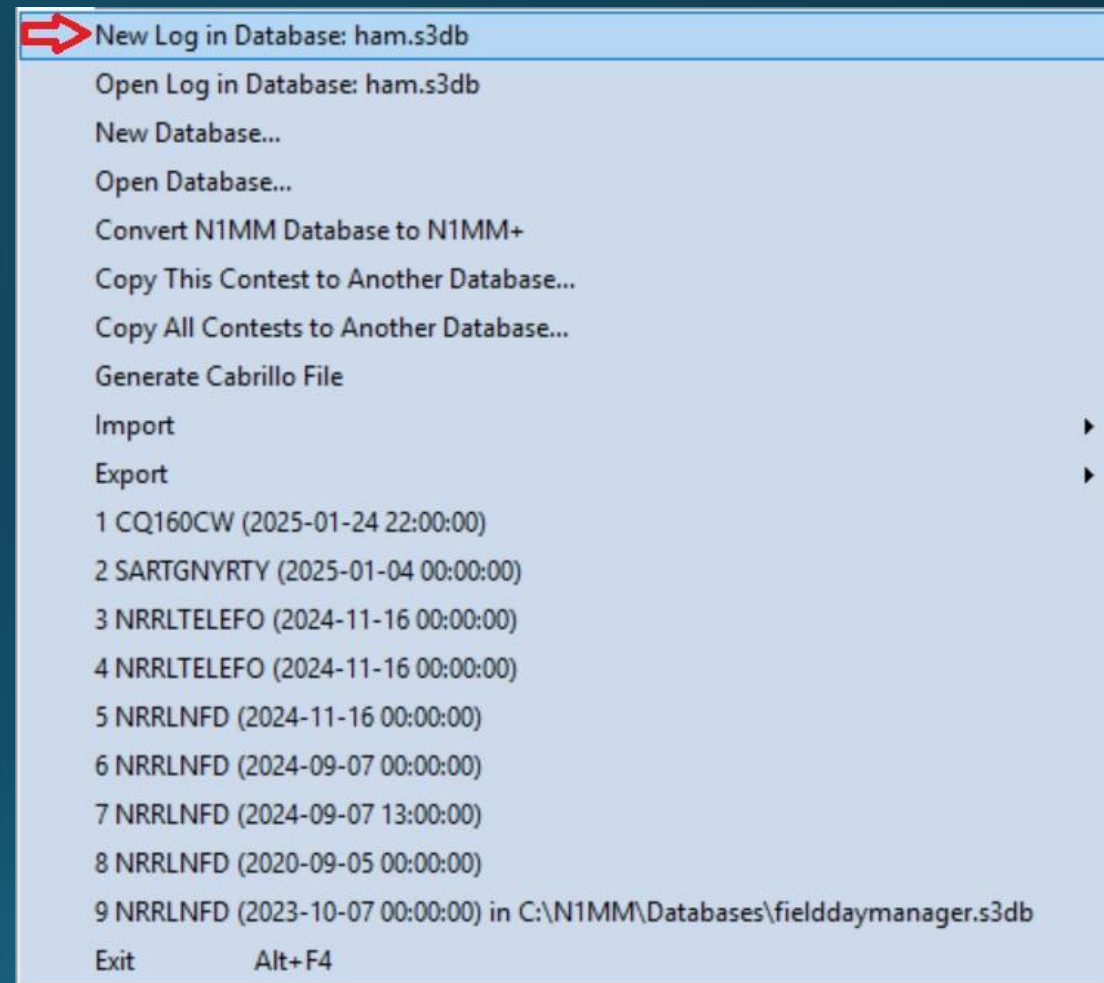
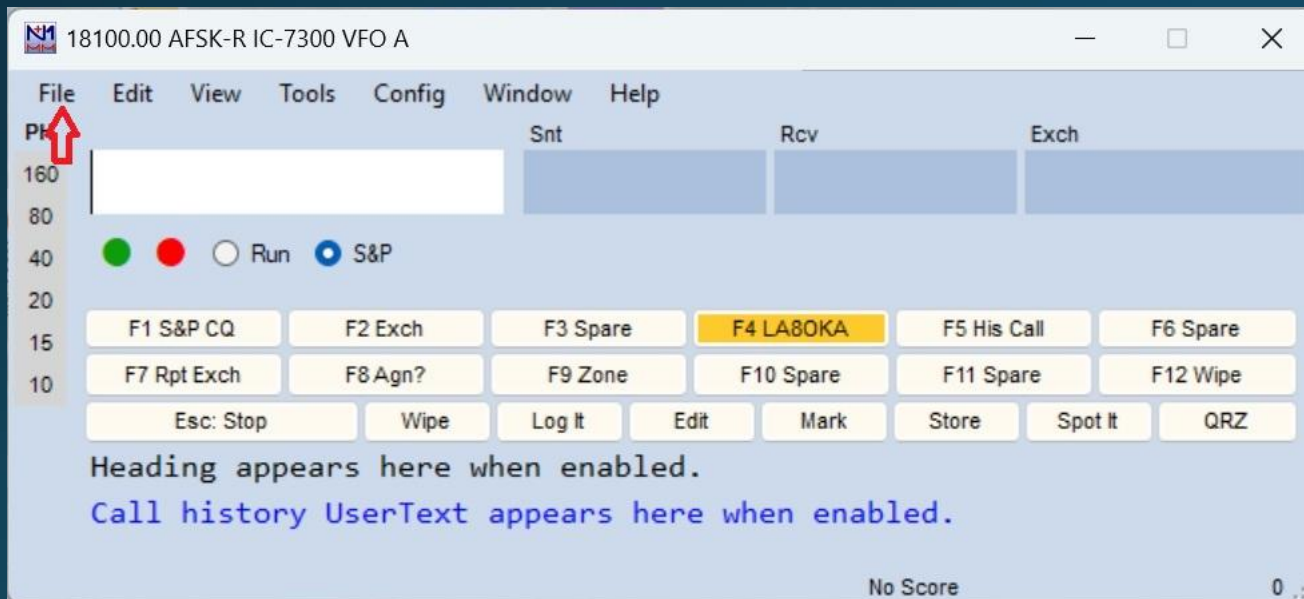
Tip: You need to fill out this form or the program will not perform properly... Also, make sure your computer date and time are set to the LOCAL date and time zone for your location.

Call	LA8OKA		
Name	Martin Storli		
Address	Rudbakken 12		
Address			
City	Slattum	State	
Zip	1480		
Country	NORWAY		
Grid Square	JP50KA	CQ Zone	14
ITU Zone	18		
License	A	Latitude	60.0208
		N	Longitude
			10.8750
			E
Station TX/RX	ICOM IC-7300		Power
			100
Antenna	Dipole	Ant. Height	10
		a.s.l.	
ARRL Section	DX		
Rover QTH			
Club	LA40		
Email address	arcticpeak@yahoo.no		

Ok Help Cancel

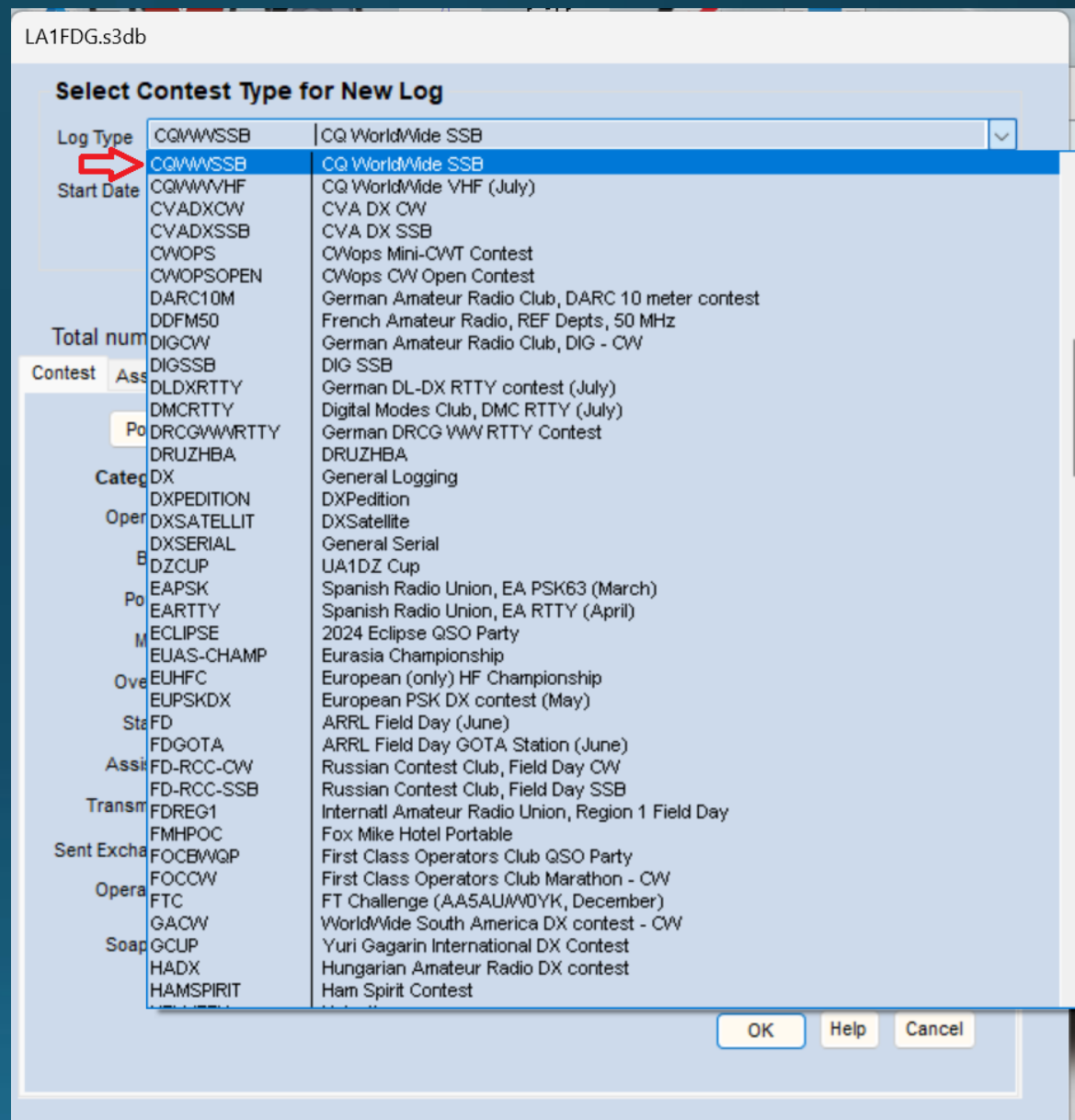
Valg av Contest

- Gå til «File».
- Velg «New Log in Database».



Velg contest

- Skriv C....
- Rull ned i menyen.
- Velg: CQWWSSB



Velg contest

Eks: CQ WW SSB

- Start Date: 2025-10-25 00:00:00
- Operator: Velg klasse
- Band: Velg bånd
- Power: Velg effekt
- Mode: Velg SSB
- Overlay: Les reglene, så velg!
- Station: Velg FIXED
- Assisted: Les reglene, så velg!
- Transmitter: Antall sendere
- Sent Exchange: Skriv 14
- Operators: Kallesignal

LA1FDG.s3db

Select Contest Type for New Log

Log Type | CQ WorldWide SSB

Start Date

Total number of contacts in database 269

Contest Associated Files

Category

Operator

Band

Power

Mode

Overlay

Station

Assisted

Transmitter

Sent Exchange

Operators

Soapbox

State for Log Type QSOPARTY

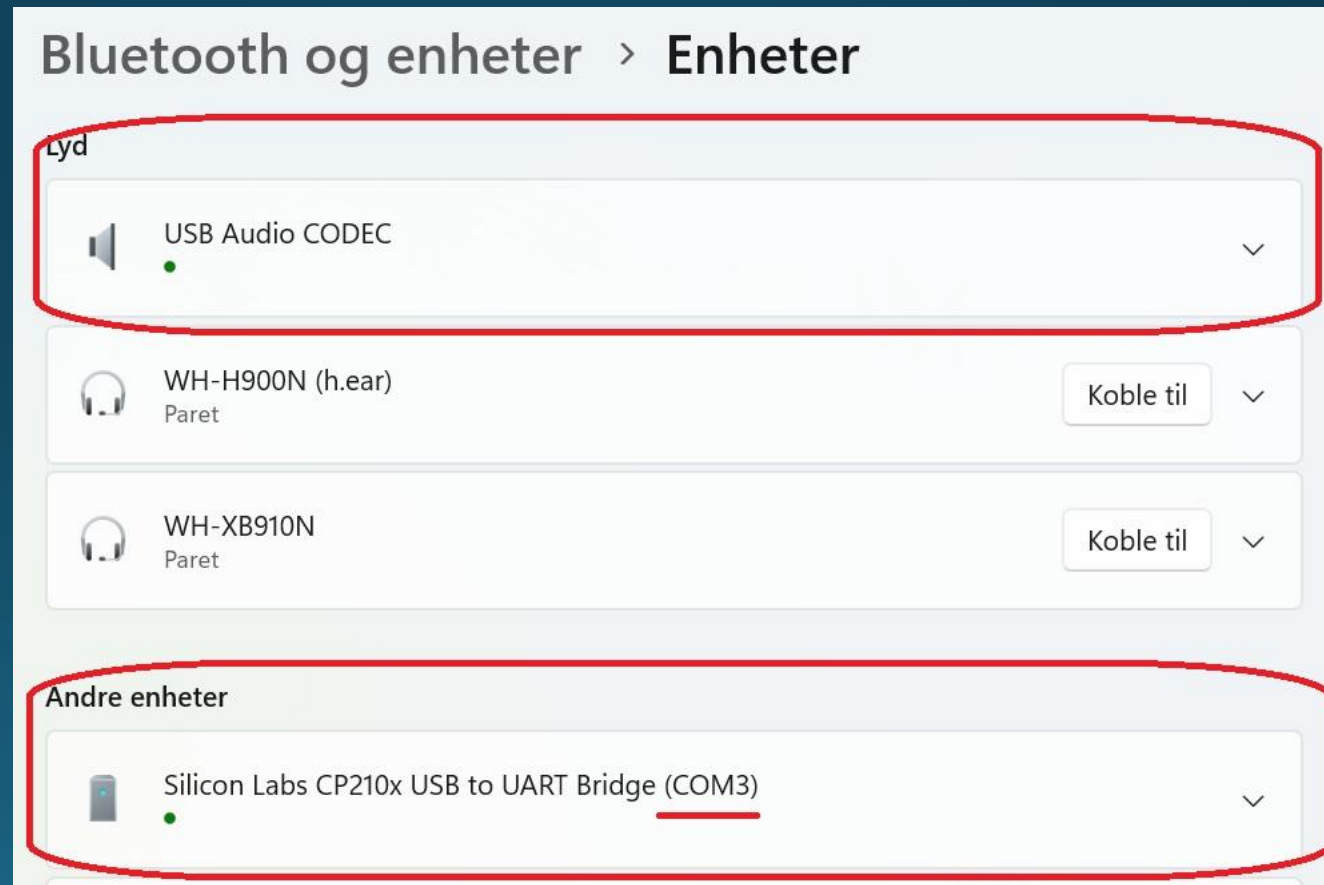
Note - the program does not validate categories. Check the contest rules for valid categories.

Time Category

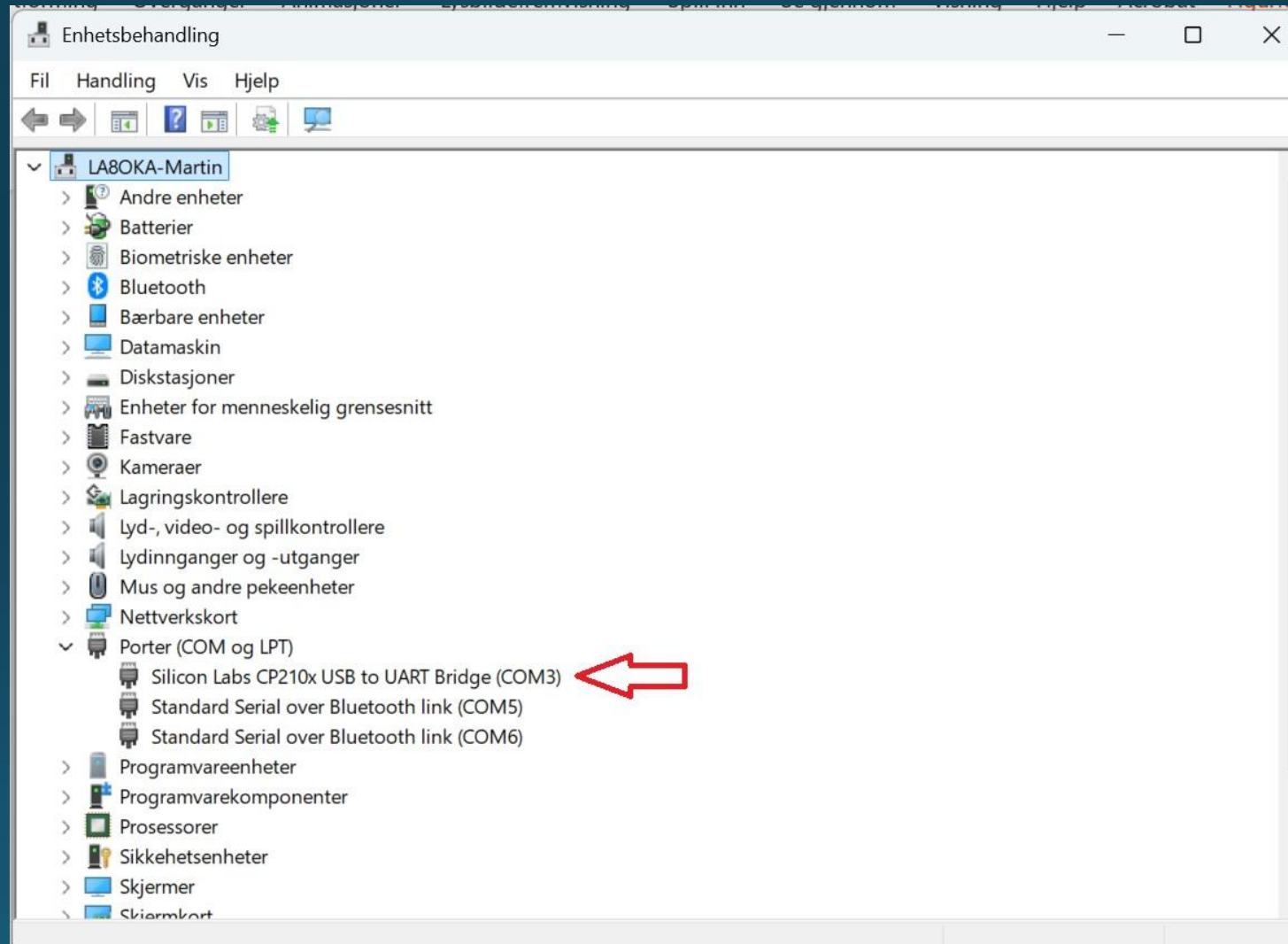
Omit RST: CQWW: 05 SS: A 56 EMA

Koble til radio

- Finn ut hvilken COM-port radioen din bruker.

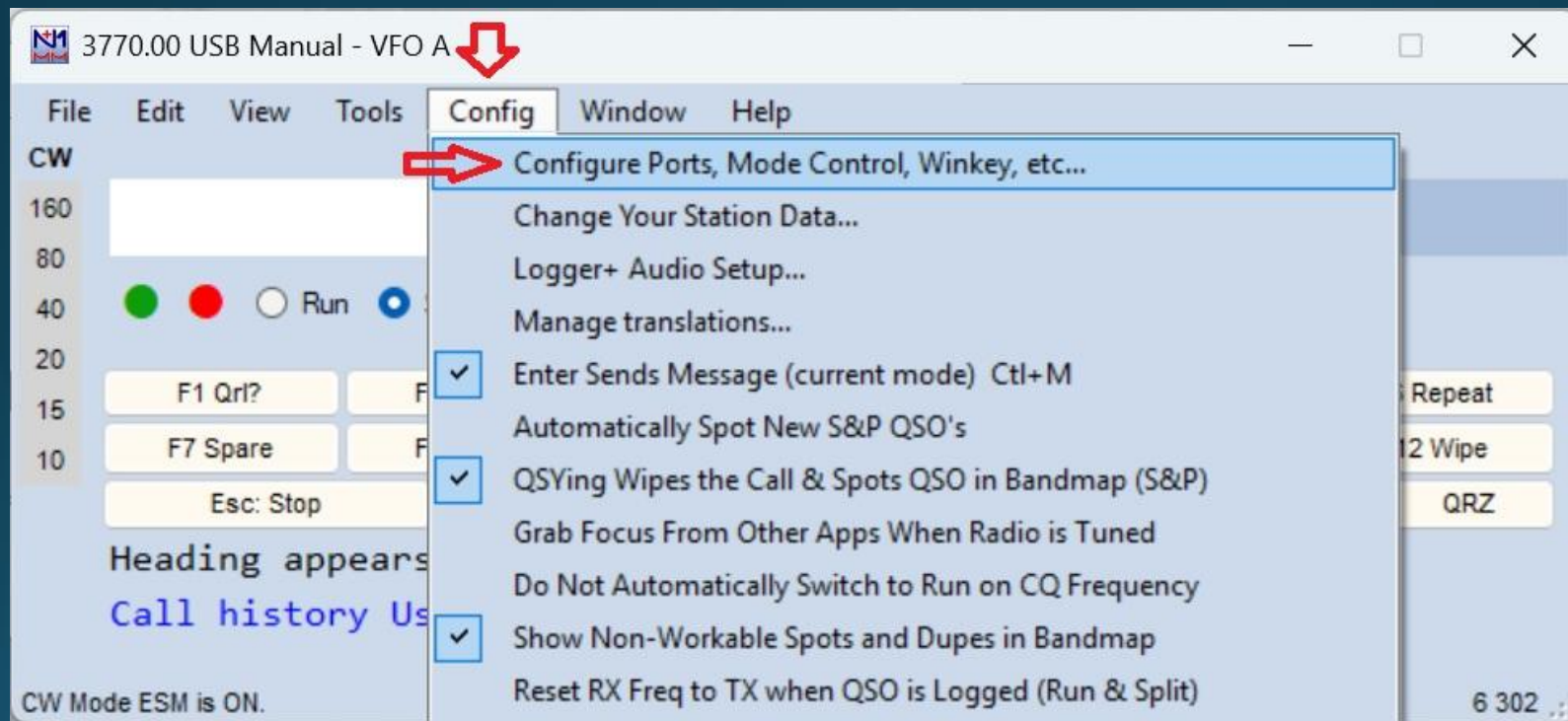


Koble til radio



Koble til radio

- Eksempel: IC-7300



Koble til radio

- Velg COM port
- Velg radio
- Trykk på «Set»

Configurer

Hardware Function Keys Digital Modes Other Winkey Mode Control Antennas Score Reporting Broadcast Data WSJT/JTDX Setup

SO1V SO2V SO2R

Port	Radio	Digi	CW/Other	Details	IP Addr:Port
None	TS-590	☐	☐	Set	
None	Elecraft KX3	☐	☐	Set	
None	FT-817	☐	☐	Set	
None	Elecraft K2	☐	☐	Set	
None	None	☐	☐	Set	
COM3	IC-7300	☐	☒	Set	
None	None	☐	☐	Set	
None	None	☐	☐	Set	
LPT1		☐	☐	Set	
LPT2		☐	☐	Set	
LPT3		☐	☐	Set	

115200,N,8,1,DTR=CW,RTS=Always Off,Tx=

OK Cancel Help

Koble til radio

- Sjekk innstillingen i menyen på radioen din.
- Speed: Baudrate
- Parity: Vanligvis N
- DataBits: Vanligvis 8
- StopBits: vanligvis 1 eller 2
- I det gule vinduet vises anbefalte innstillinger for valgt radio.

Com3

Speed	Parity	DataBits	Stop Bits
115200	N	8	1

DTR (pin 4)	RTS (pin 7)	Icom Code (hex)	Radio Nr
CW	Always Off	94	1

PTT Delay (msec): 30

Radio Polling Rate: Normal

☐ Rig Blaster Interrupt

☐ Enable Both Hardware & Software PTT

☐ PTT via Radio Command SSB Mode

☒ PTT via Radio Command CW Mode

☐ PTT via Radio Command Digital Mode

☐ Digi Mode: Do not reset radio codec

Two Radio Protocol: None

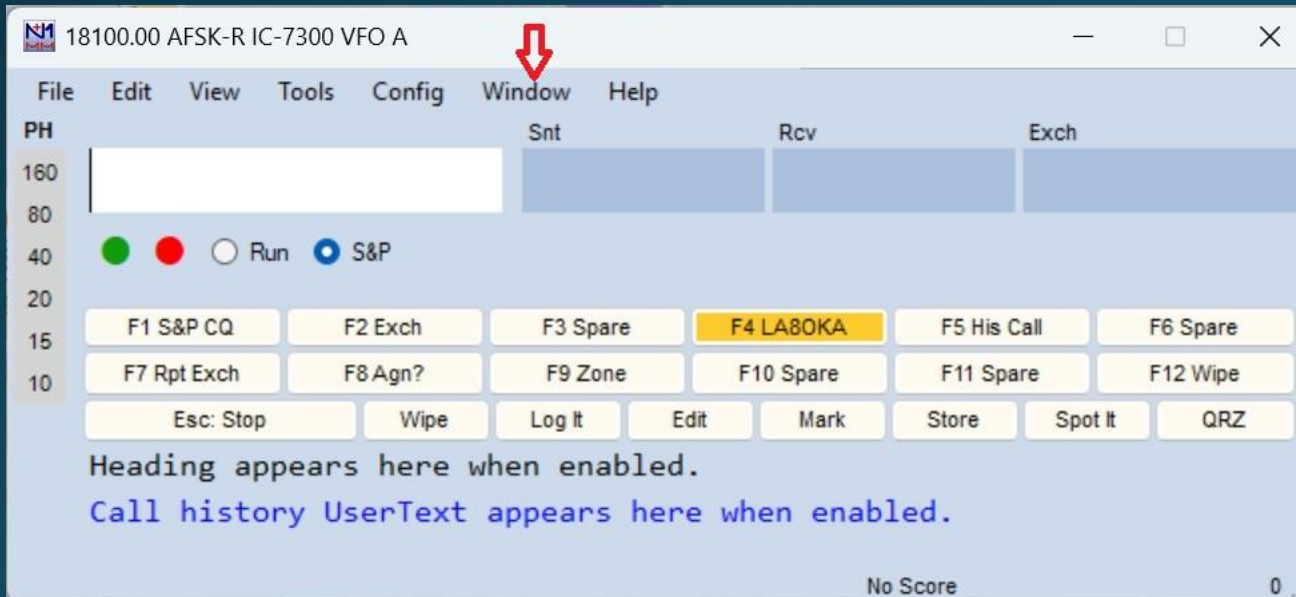
FootSwitch (pin 6): None

Suggested Icom Settings:
9600 - 19200, N, 8, 1, Always Off, Always Off, Icom Hex Code
DTR RTS should be Always On with a COM port powered interface.
Set the radio to the same speed or auto-baud.
Set the radio CI-V Transceive option to OFF.

Help OK Cancel

Sette opp Spektrumdisplay

- Fungerer bare på enkelte ICOM transceivere og diverse eksterne SDR mottakere, f.eks. SDRPlay.
- ICOM: Man må ha «SCOPE» aktivert.



Available Mult's Q's

Bandmap

Check

CW Key Ctl+K

CW Reader

Digital Interface

Entry Window

Gray Line

Info

Log Ctl+L

Move Multipliers

Multipliers

Network Status

Rotor Windows

Talk to Another Station (Ctrl+E)

Score Summary

Skeds

Spectrum Display

Telnet

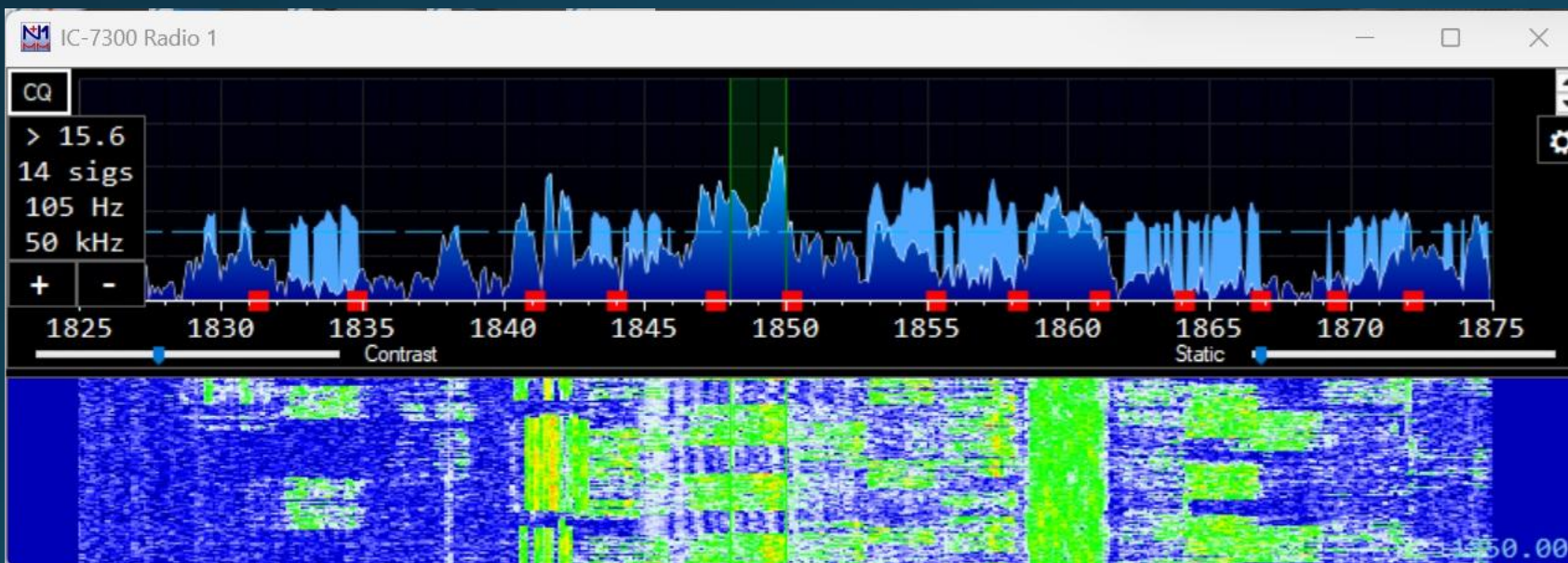
Visible Dupesheet

WSJT Decode List

Load WSJT/JTDX

Sette opp Spektrumdisplay

- Høyre klikk med muse på sort bakgrunn.
- Velg «Settings»



Windows

Relay options

- ☒ Show lowest frequency at the bottom of display
- ☒ Show Waterfall
- ☒ Show NoiseFloor As Line
- ☒ Show Instantaneous Signal Levels
- ☒ Snap to Signal
- Zoom spots while tuning
- ☒ Force focus to Entry Window 1 when changing frequency

Signal Decay Speed

- Round SSB Sigs to nearest 0.5 kHz
- Only Jump to Signals Heard in Last Second
- Toggle Background Color
- Allow Setting Fixed Edges (Icom only)

Scrolling Options

- Set Fixed Freq
- Remove this Spot

Reset Radios

Show Stats

Permanently delete this window

Settings

Help

Sette opp Spektrumdisplay

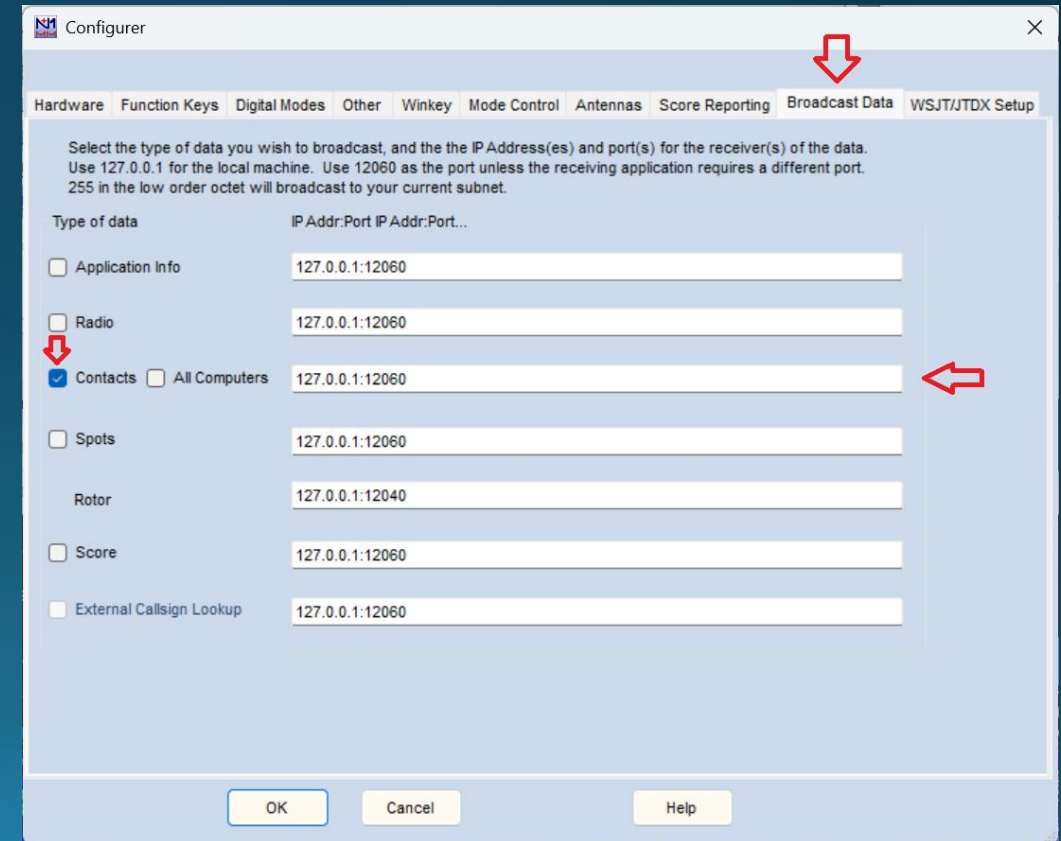
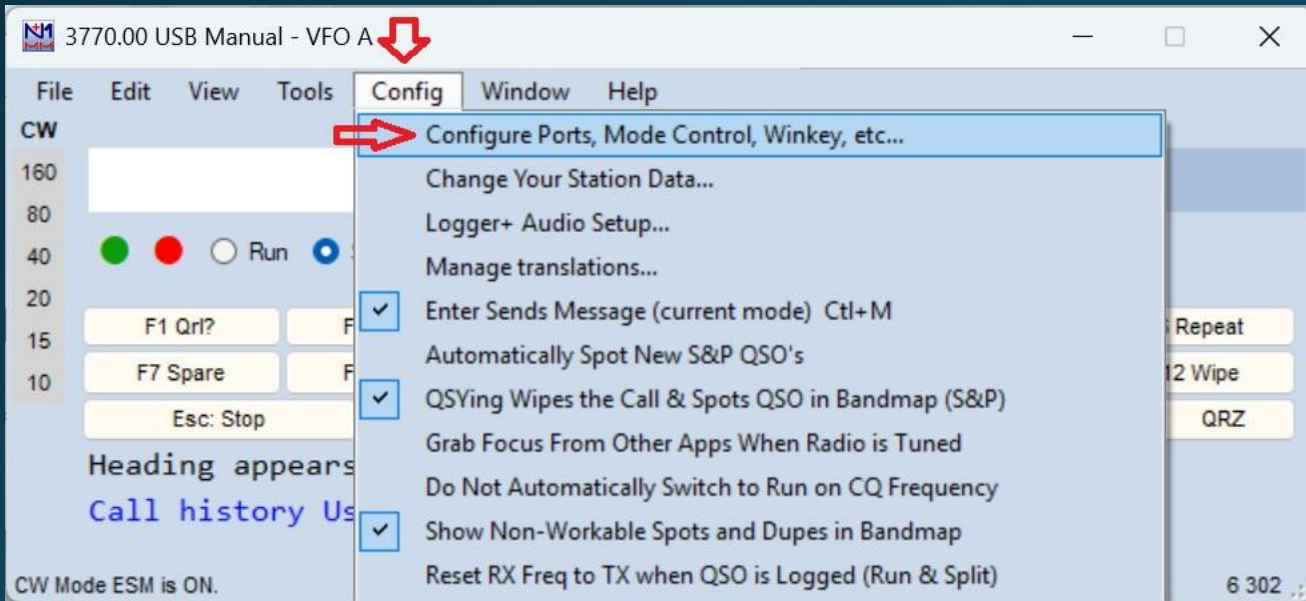
- Velg hvilken SDR mottaker du har.
- For ICOM IC-7300, velg Icom Level Data – Radio 1

Spectrum Setup for IC-7300 Radio 1

Spectrum Source	Source Options	General Options
☐ N1MM SDR Server ☐ External (WB, Flex, etc) ☐ Airspy HF+ SpyServer ☐ IC-7610 I/Q via FTDI dll ☒ Icom Level Data - Radio 1 ☐ Icom Level Data - Radio 2		Display Bins 1024 Show frequencies based on: ☒ Radio 1 ☐ Radio 2 Spectrum Orientation: Auto Show these spots: All ☐ Show only spots you can hear Show Red Signal Markers All OK Cancel

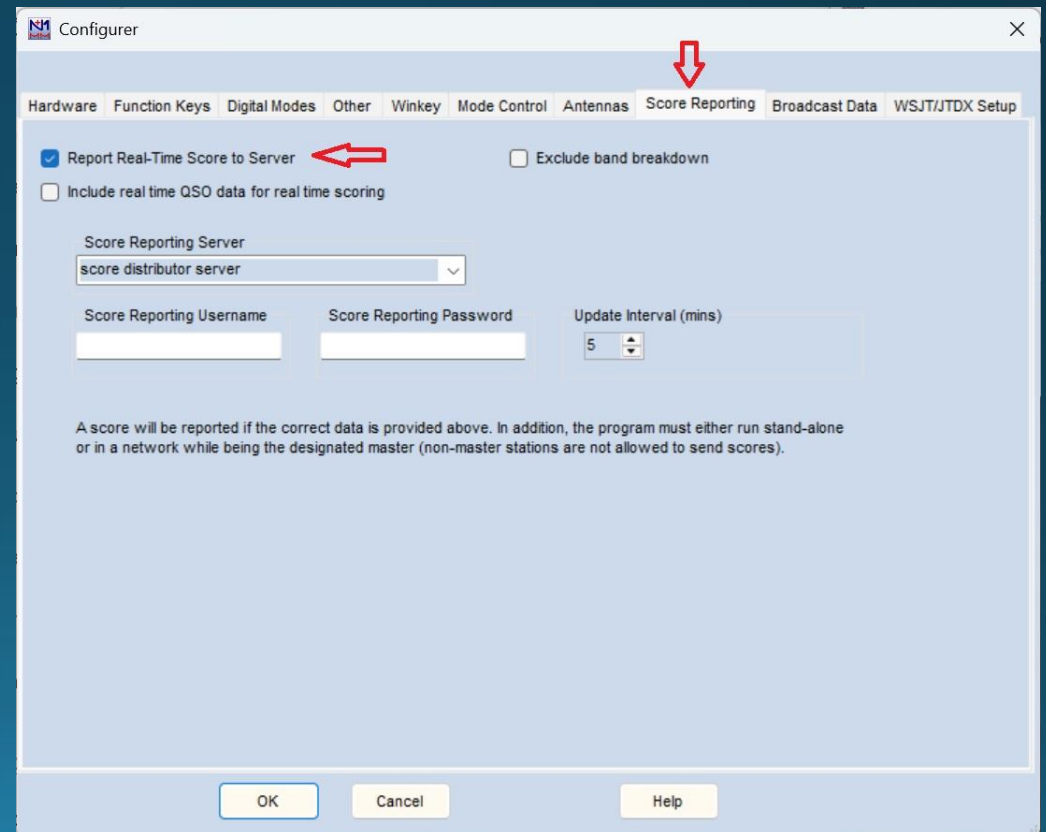
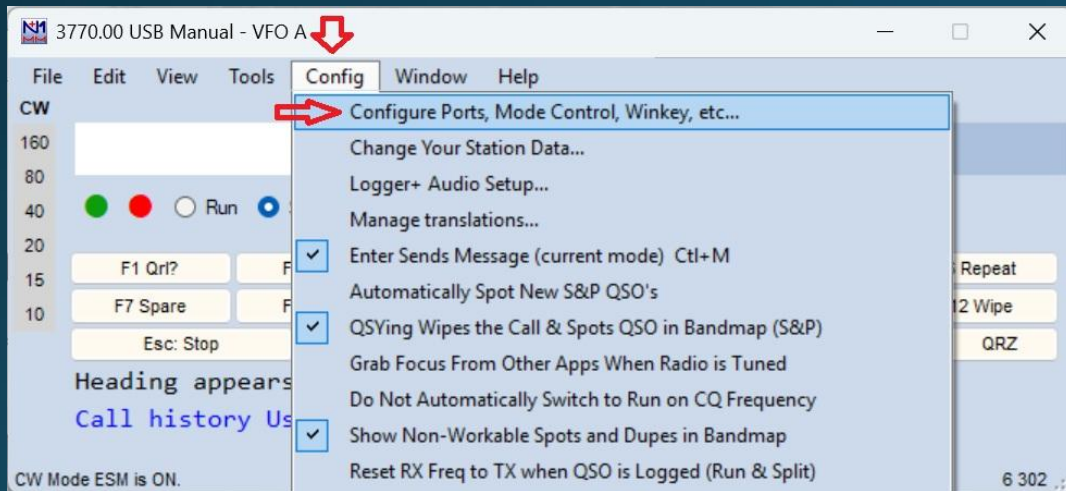
Kringkasting av loggdata

- Dersom man bruker et annet loggprogram som hovedlogg kan N1MM+ kringkaste data til det andre loggprogrammet.



Rapportere score underveis.

- Man kan rapportere score underveis i contesten.
- Resultatene vises på: <https://contestonlinescore.com/contest/>



Kjør contest

Din rapport
ALLTID 59

Mottatt
rapport

Motstasjonens
kallesignal

CQ sone

14200.00 USB Manual - VFO A Op: LA8OKA

File Edit View Tools Config Window Help

PH Snt Rcv CQ-Zone

SM1ABC ? 59 59 14

80
40
20
15
10

● ● ○ Run ● S&P

F1 S&P CQ F2 Exch F3 Spare F4 LA8OKA F5 His Call F6 Spare

F7 Rpt Exch F8 Agn? F9 Zone F10 Spare F11 Spare F12 Wipe

Esc: Stop Wipe Log It Edit Mark Store Spot It QRZ

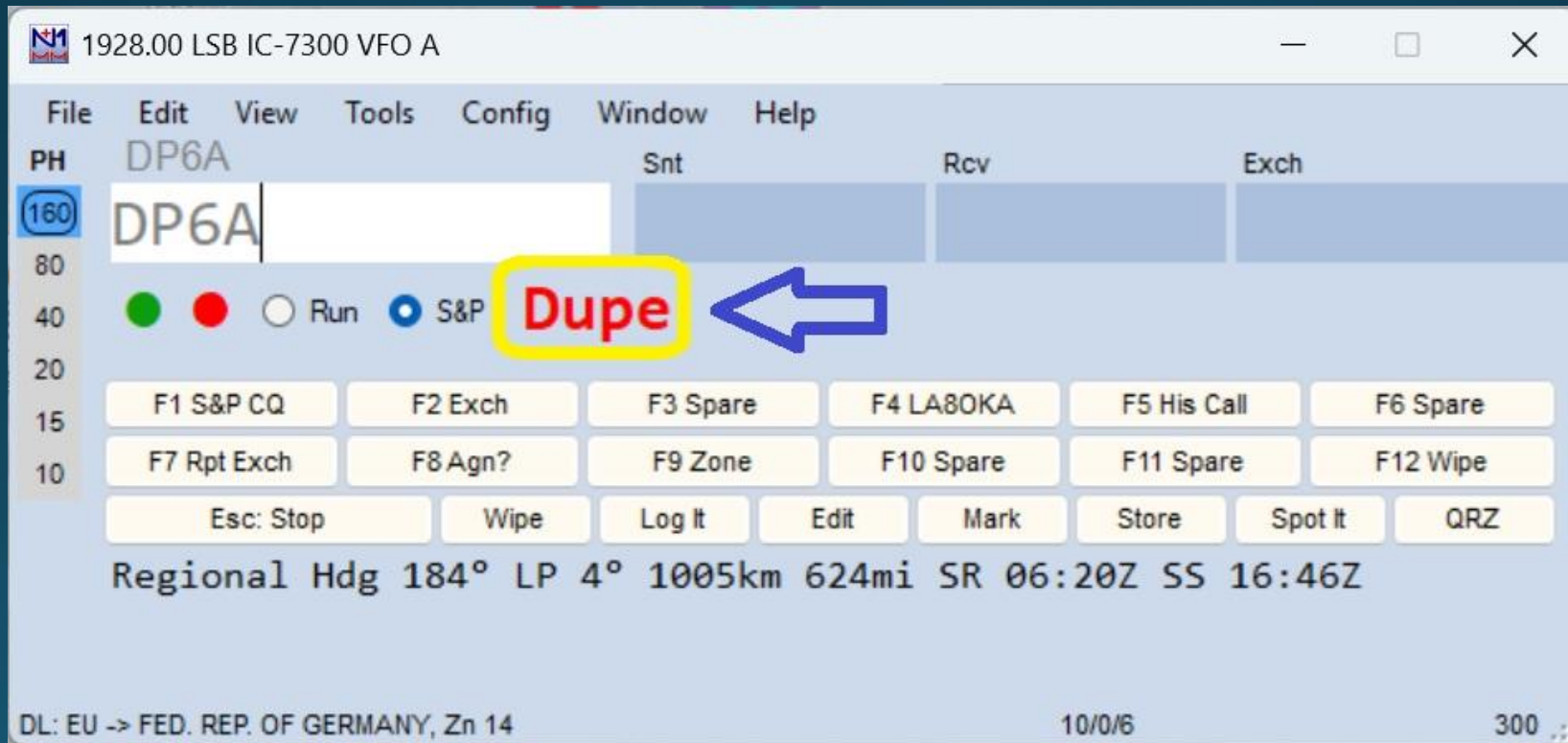
Regional Hdg 114° LP 295° 281km 174mi SR 05:45Z

Call history UserText appears here when enabled.

SM: EU -> SWEDEN, Zn 14 No Score 0

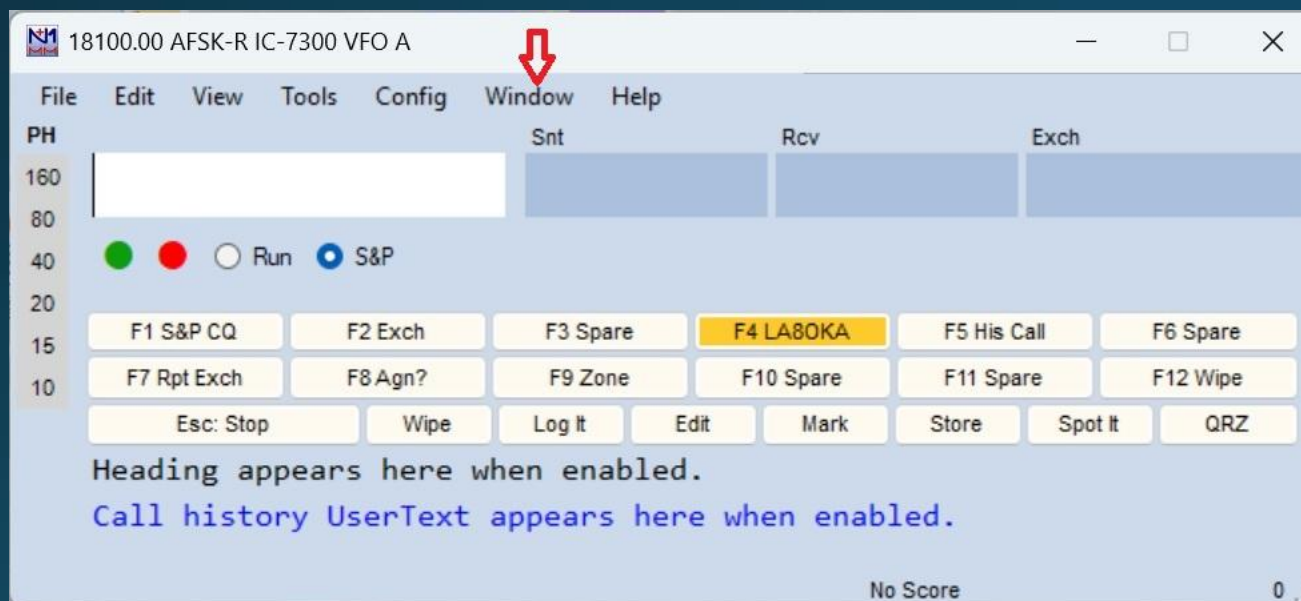
Duplikat

- Dersom man får rød tekst **DUPE** betyr det at man har kjørt stasjonen tidligere!



Åpne loggvinduet.

- Å ha loggen åpen under contesten gjør det enkelt å se at man faktisk har logget siste stasjon.



Available Mult's Q's

Bandmap

Check

CW Key Ctl+K

CW Reader

Digital Interface

Entry Window

Gray Line

Info

Log Ctl+L

Move Multipliers

Multipliers

Network Status

Rotor Windows

Talk to Another Station (Ctrl+E)

Score Summary

Skeds

Spectrum Display

Telnet

Visible Dupesheet

WSJT Decode List

Load WSJT/JTDX

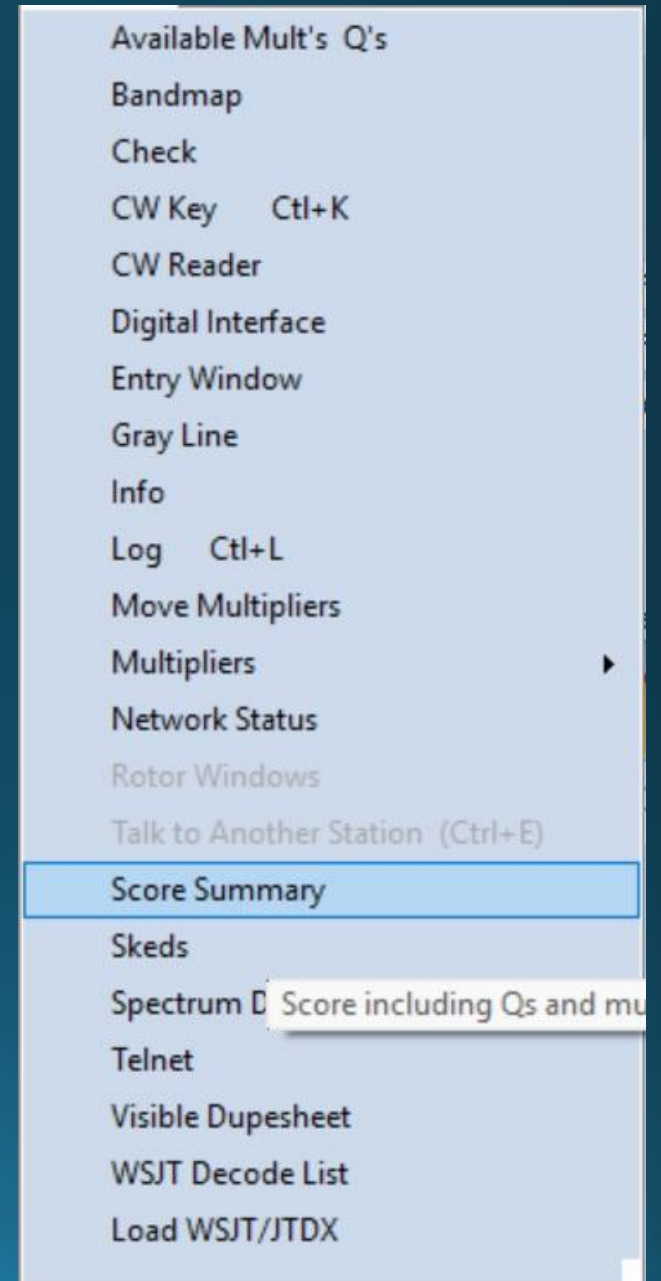
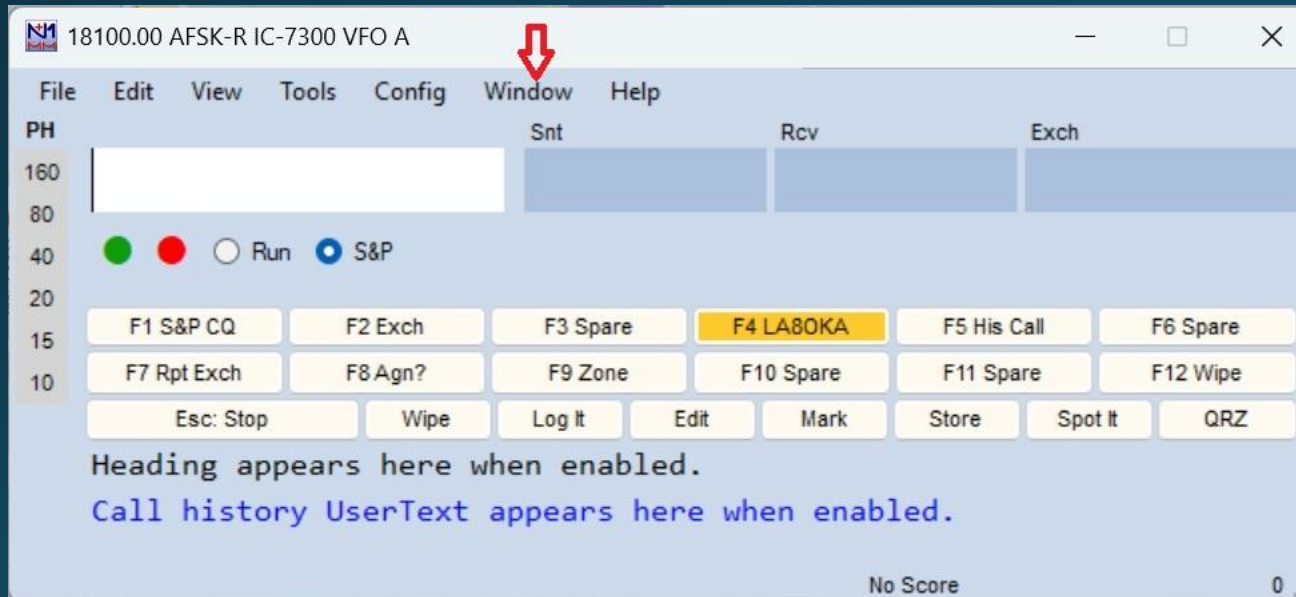
Loggvindu

- Her kan man sjekke at man har logget stasjonen.


21.02.2025 22.15.23Z CQ World-Wide 160 Meter DX Contest - Phone - ham.s3db

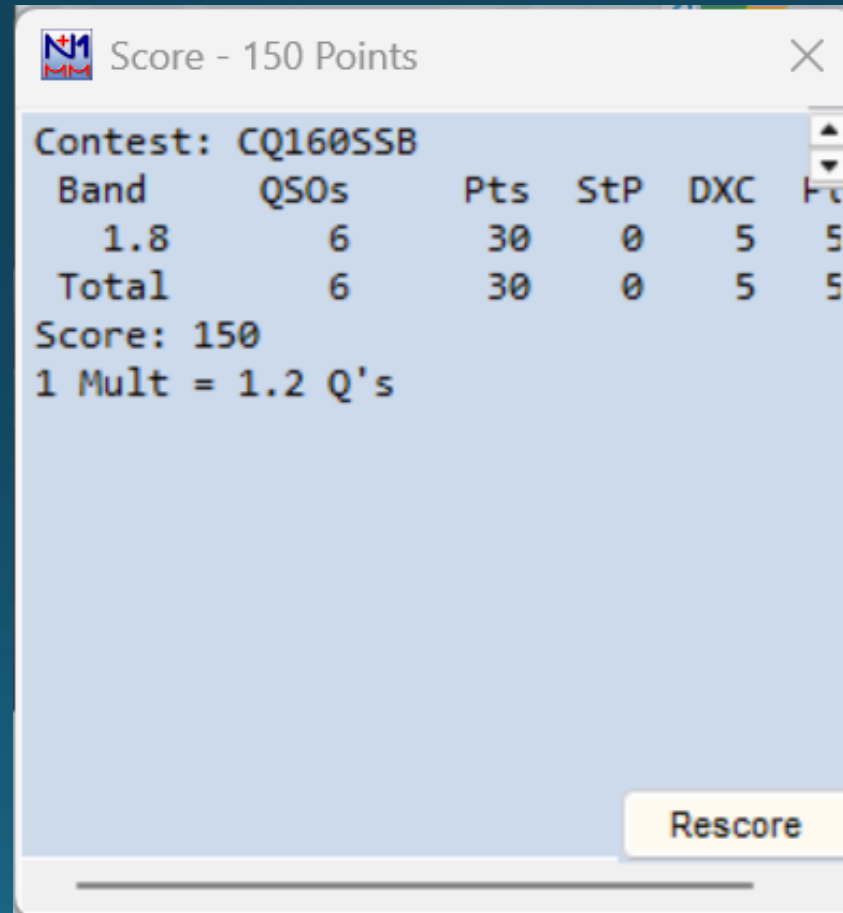
DD-MM HH:MM	Call	Freq	Snt	Rcv	Exch	M1	F
21-02 22.04	LY4A	1850.00	59	59	15		LY
21-02 22.08	LX1NO	1853.04	59	59	14		LX
21-02 22.12	SP8R	1869.00	59	59	15		SP
21-02 22.13	OK1W	1874.00	59	59	15		OK
21-02 22.14	SQ9Y	1879.00	59	59	15		SP
21-02 22.14	SQ9Y	1879.00	59	59	15		SP

Åpne scorevinduet



Scorevinduet

- Her kan man følge med på resultat etter hvert som man kjører contesten.



The screenshot shows a window titled "Score - 150 Points" with a close button (X) in the top right corner. The window displays the following information:

Contest: CQ160SSB

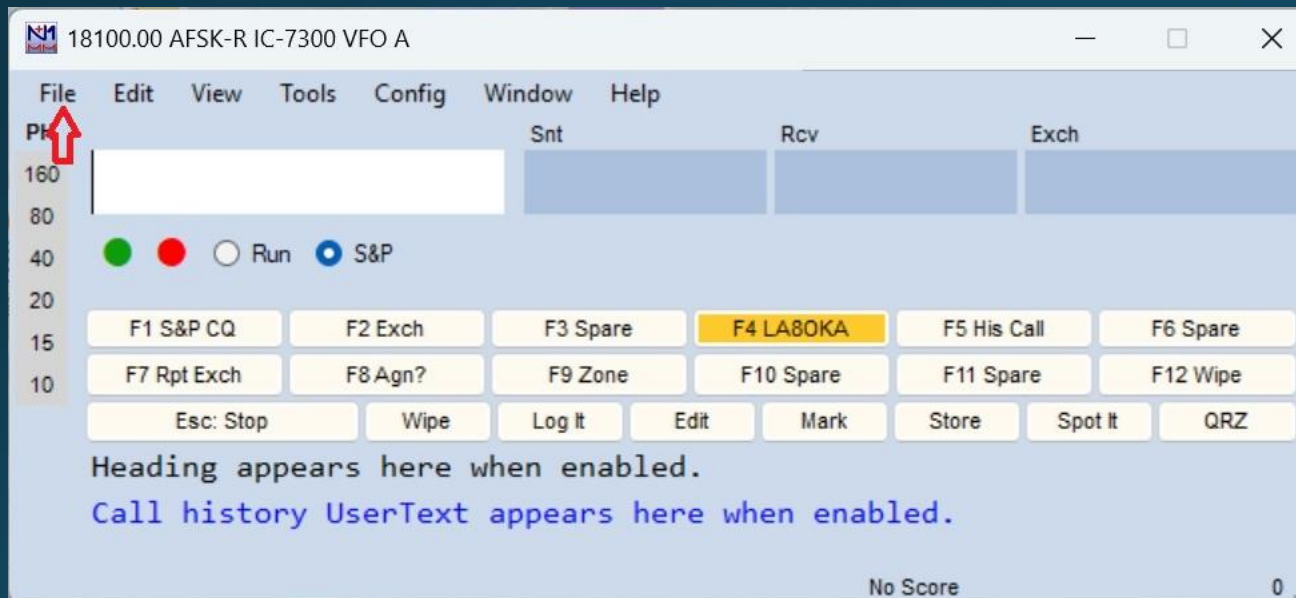
Band	QSOs	Pts	StP	DXC	Pt
1.8	6	30	0	5	5
Total	6	30	0	5	5

Score: 150
1 Mult = 1.2 Q's

At the bottom right of the window is a button labeled "Rescore".

Lage cabrillo-fil.

- I alle tester sendes loggen inn i cabrillo-formatet.



New Log in Database: ham.s3db
Open Log in Database: ham.s3db
New Database...
Open Database...
Convert N1MM Database to N1MM+
Copy This Contest to Another Database...
Copy All Contests to Another Database...

Generate Cabrillo File

Import ▶

Export ▶

- 1 CQ160SSB (2025-02-21 22:00:00)
- 2 NRRLVINTER (2025-02-21 13:00:00)
- 3 CQ160CW (2025-01-24 22:00:00)
- 4 SARTGNYRTY (2025-01-04 00:00:00)
- 5 NRRLTELEFO (2024-11-16 00:00:00)
- 6 NRRLTELEFO (2024-11-16 00:00:00)
- 7 NRRLNFD (2024-11-16 00:00:00)
- 8 NRRLNFD (2024-09-07 00:00:00)
- 9 NRRLNFD (2024-09-07 13:00:00)

Exit Alt+F4

Cabrillo-filen

```
START-OF-LOG: 3.0
LOCATION: DX
CALLSIGN: LA8OKA/P
CLUB: LA40
CONTEST: NRRL-FIELDDAY
CATEGORY-OPERATOR: SINGLE-OP
CATEGORY-ASSISTED: NON-ASSISTED
CATEGORY-BAND: ALL
CATEGORY-MODE: MIXED
CATEGORY-POWER: LOW
CATEGORY-STATION: PORTABLE
CATEGORY-TRANSMITTER: ONE
CLAIMED-SCORE: 11220
OPERATORS: LA8OKA
NAME: Martin Storli
ADDRESS: Rudbakken 12
ADDRESS-CITY: Slattum
ADDRESS-STATE-PROVINCE:
ADDRESS-POSTALCODE: 1480
ADDRESS-COUNTRY: NORWAY
GRID-LOCATOR: JP50KA
EMAIL: arcticpeak@yahoo.no
CREATED-BY: N1MM Logger+ 1.0.10024.0
QSO: 21232 PH 2023-09-02 1538 LA8OKA/P      59 0001 TA3DE      59 0049
QSO: 14125 PH 2023-09-02 1548 LA8OKA/P      59 0002 SV7QNV/P      59 0047
QSO: 14182 PH 2023-09-02 1551 LA8OKA/P      59 0003 M5MK/P      59 0068
QSO: 14185 PH 2023-09-02 1552 LA8OKA/P      59 0004 EI3Z/P      59 0091
QSO: 14188 PH 2023-09-02 1553 LA8OKA/P      59 0005 DM5B/P      59 0131
QSO: 14220 PH 2023-09-02 1602 LA8OKA/P      59 0006 DL50DAH/P    59 0193
QSO: 14269 PH 2023-09-02 1606 LA8OKA/P      59 0007 S54I/P      59 0106
QSO: 28076 DG 2023-09-02 1610 LA8OKA/P      +04 0000 EA7JYN      -13 0000
QSO: 21079 DG 2023-09-02 1636 LA8OKA/P      +04 0000 V31DL      -13 0000
```

CQ World Wide Contest

- Populært kalt CQ Wild West!
- Reglene på norsk: https://cqww.com/rules/rules_no_2025.pdf