

Hvordan sette opp N1MM+ til NRRL's Vintertest

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.



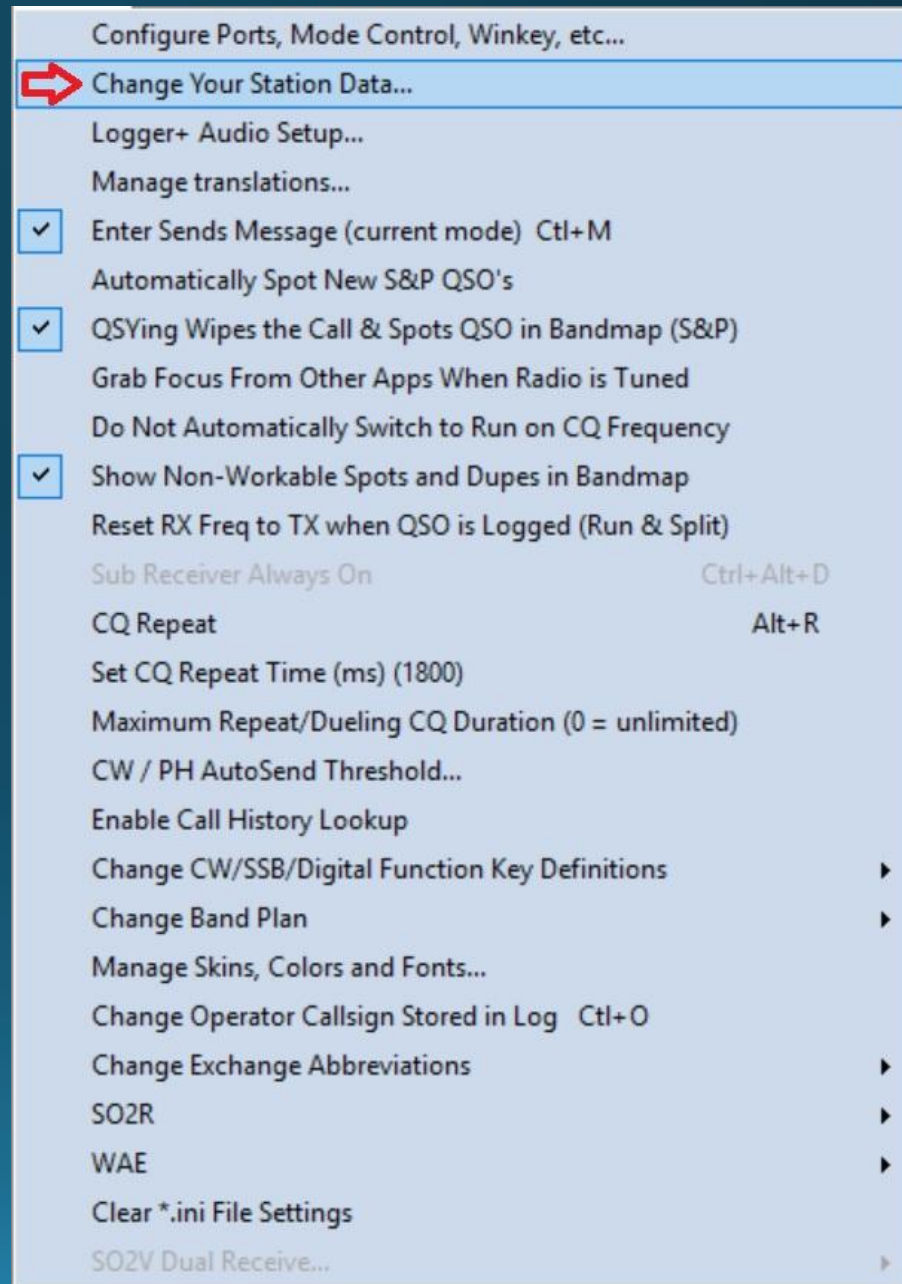
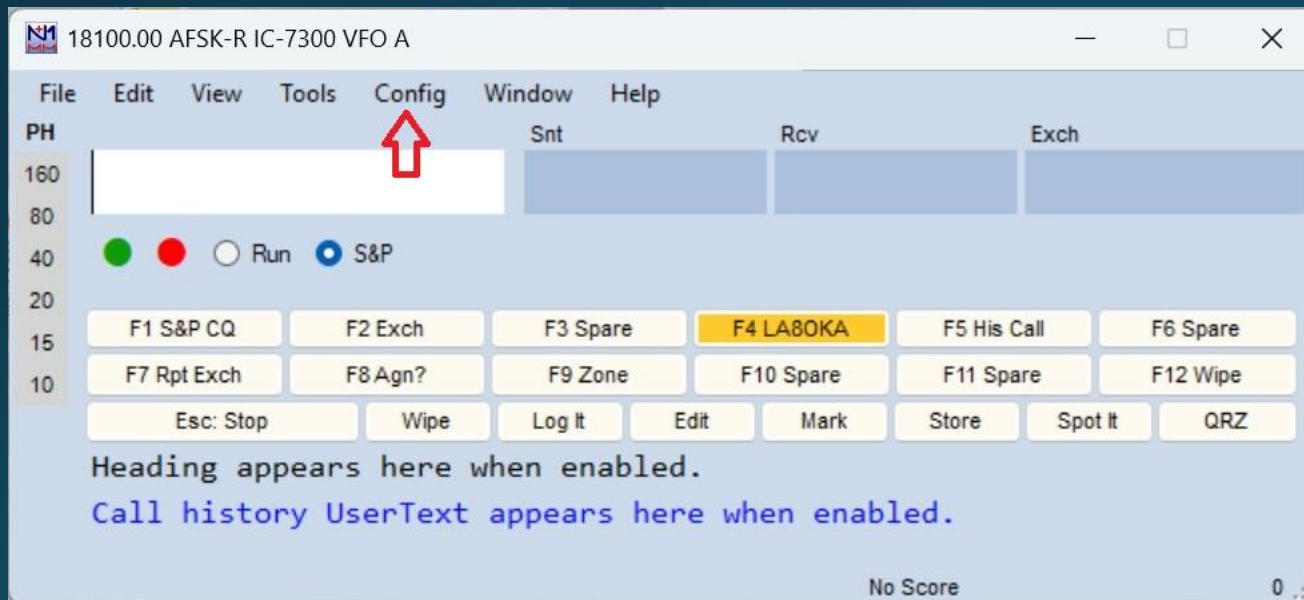
Eksempler

- I denne presentasjonen brukes følgende eksempler:
- Contest: NRRLs Vintertest
- Transceiver: ICOM IC-7300
- Andre contester og andre transceivere vil ha lignende oppsett.



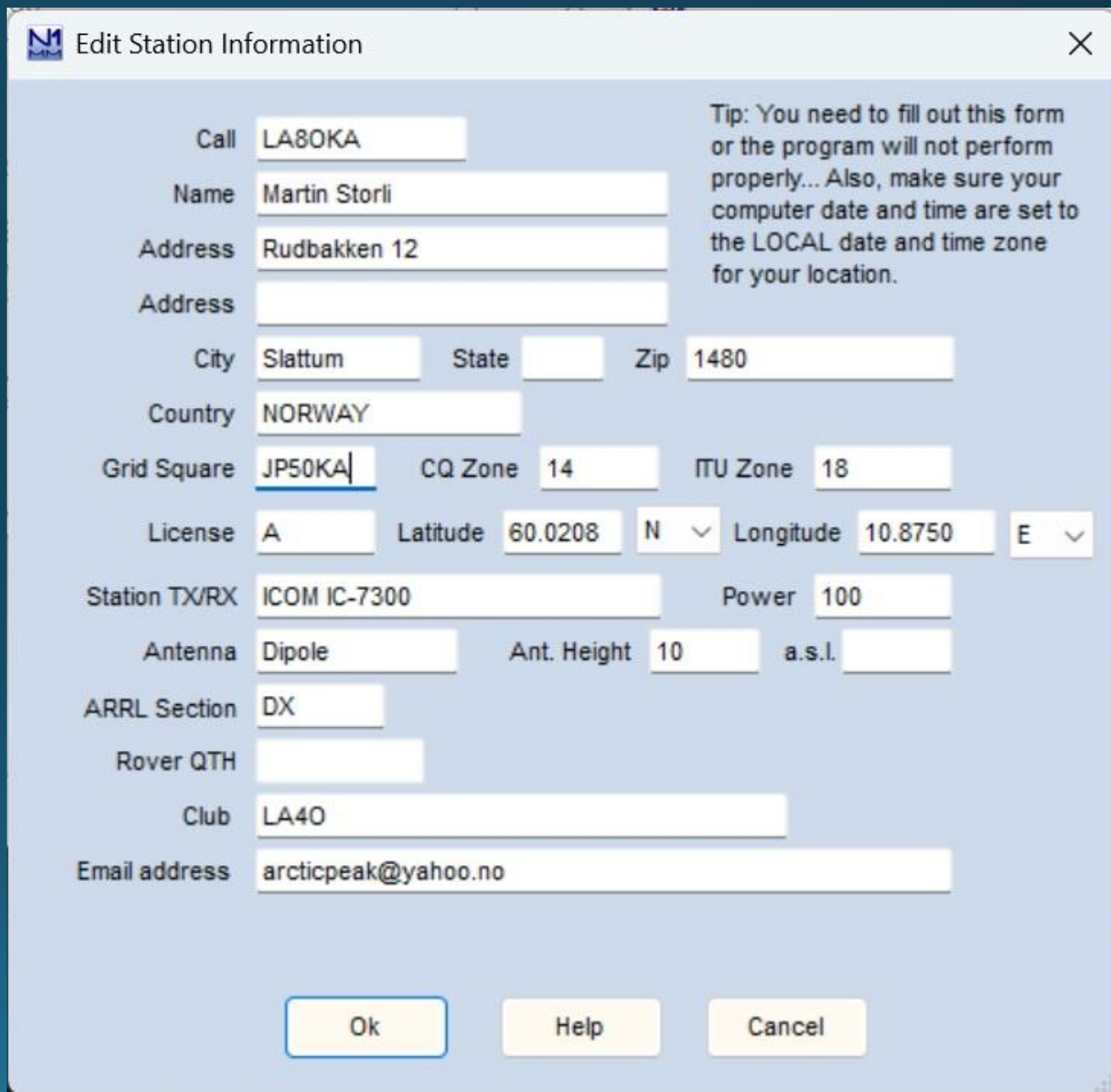
Stasjonsdata

- Begynn med å legge inn stasjonsdata.



Stasjonsdata

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



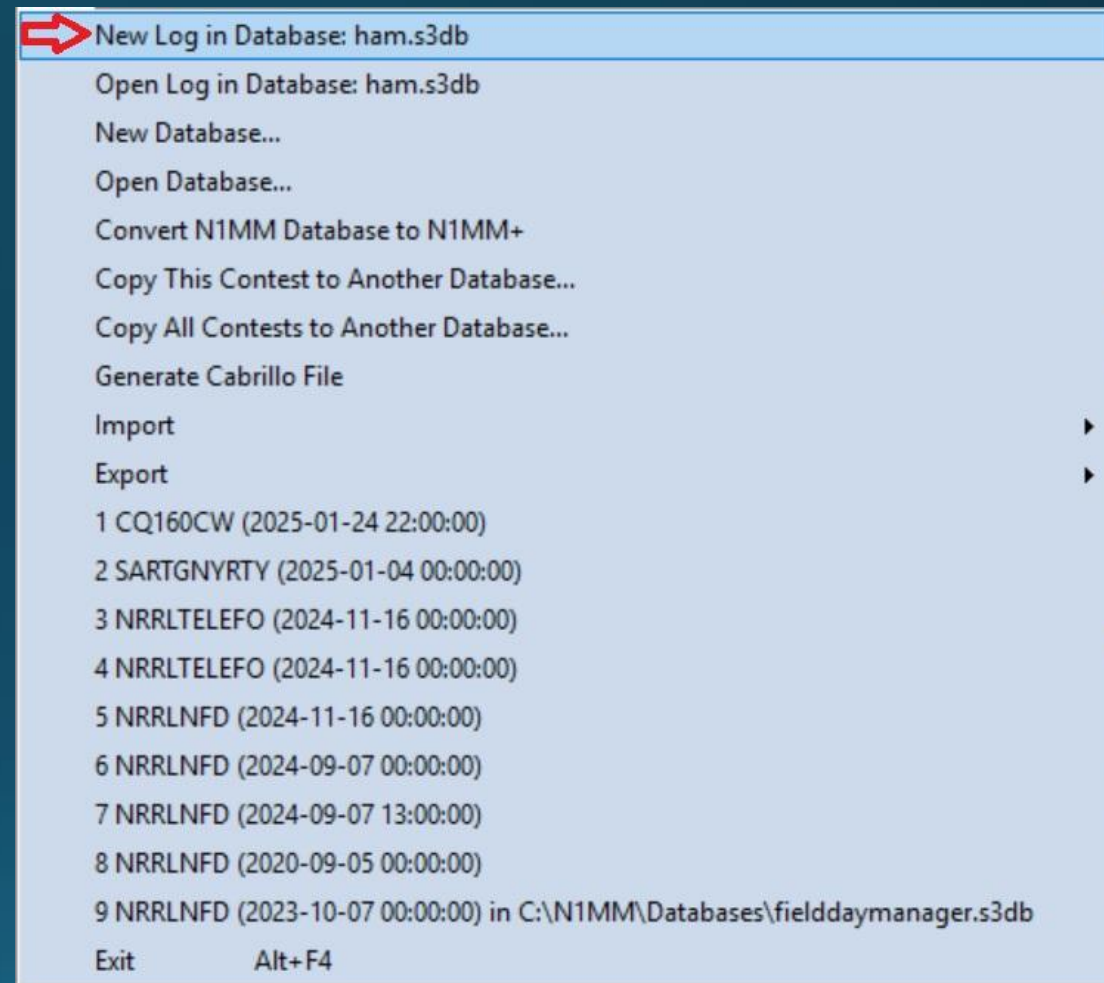
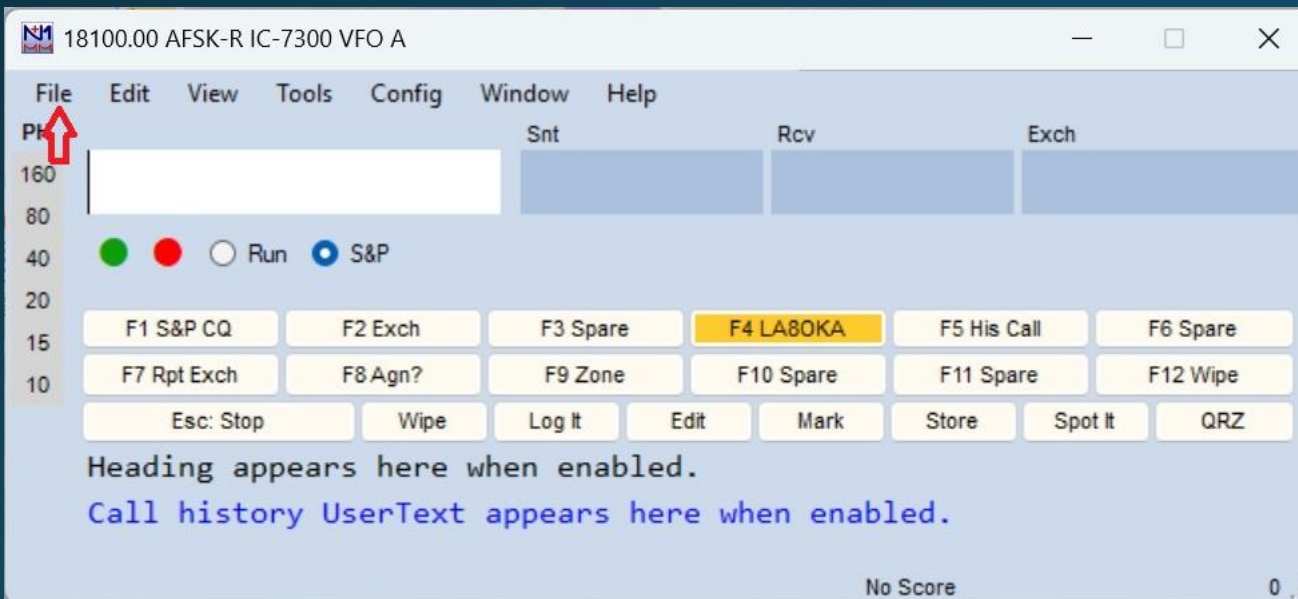
Tip: You need to fill out this form or the program will not perform properly... Also, make sure your computer date and time are set to the LOCAL date and time zone for your location.

Call	LA80KA			
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

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



Velg contest

- Skriv NRRL....
- Rull ned i menyen.
- Velg: NRRLVINTER
- Operator: Velg klasse
- Power: Velg effekt
- Mode: Velg modulasjon
- Sent Exchange: Skriv #
- Operators: Kallesignal

ham.s3db

Select Contest Type for New Log

Log Type **NRRLVINTER** | Norwegian Radio RL - Winter

Start Date 2025-02-21 13:00:00

Total number of contacts in database 1566

Contest Associated Files

Category Show Setup Show Rules

Operator SINGLE-OP State for Log Type QSOPARTY

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

Power LOW

Mode SSB

Overlay N/A

Station FIXED

Assisted NON-ASSISTED Time Category N/A

Transmitter ONE

Sent Exchange # Omit RST. E.g. CQWW: 05 SS: A 56 EMA

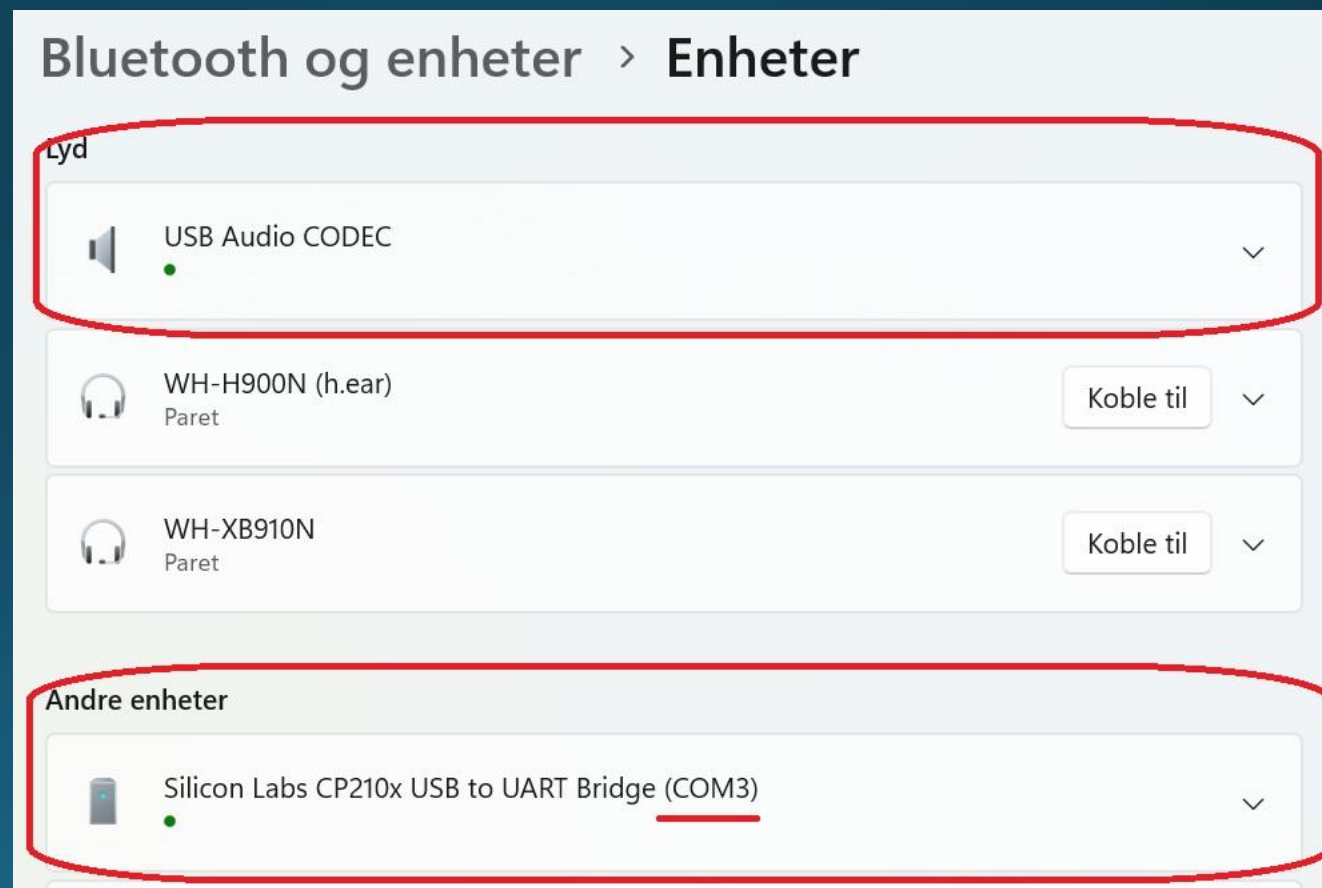
Operators LA8OKA Update Ops from Log

Soapbox

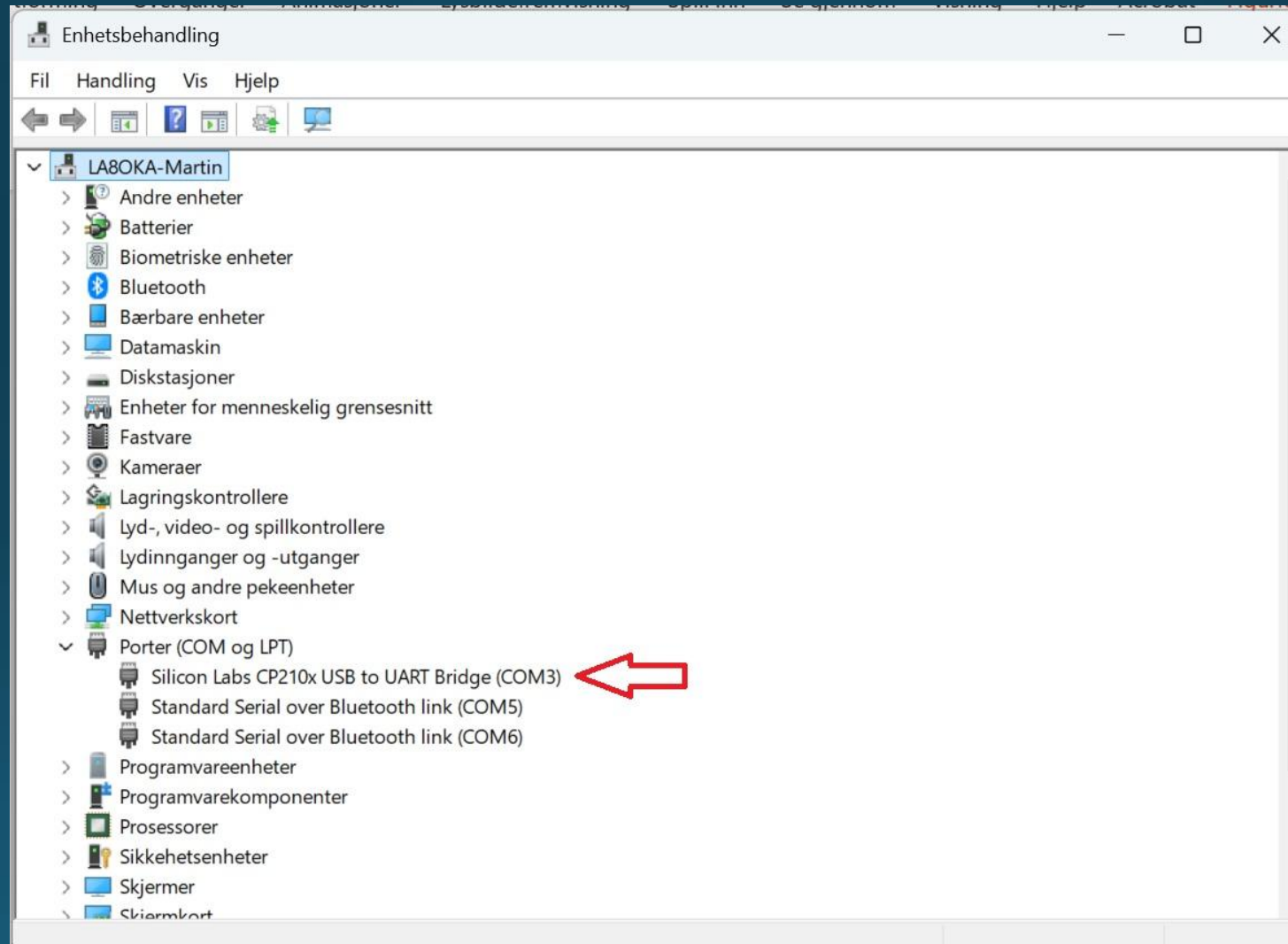
OK Help Cancel

Koble til radio

- Finn ut hvilken COM-port radioen din bruker.

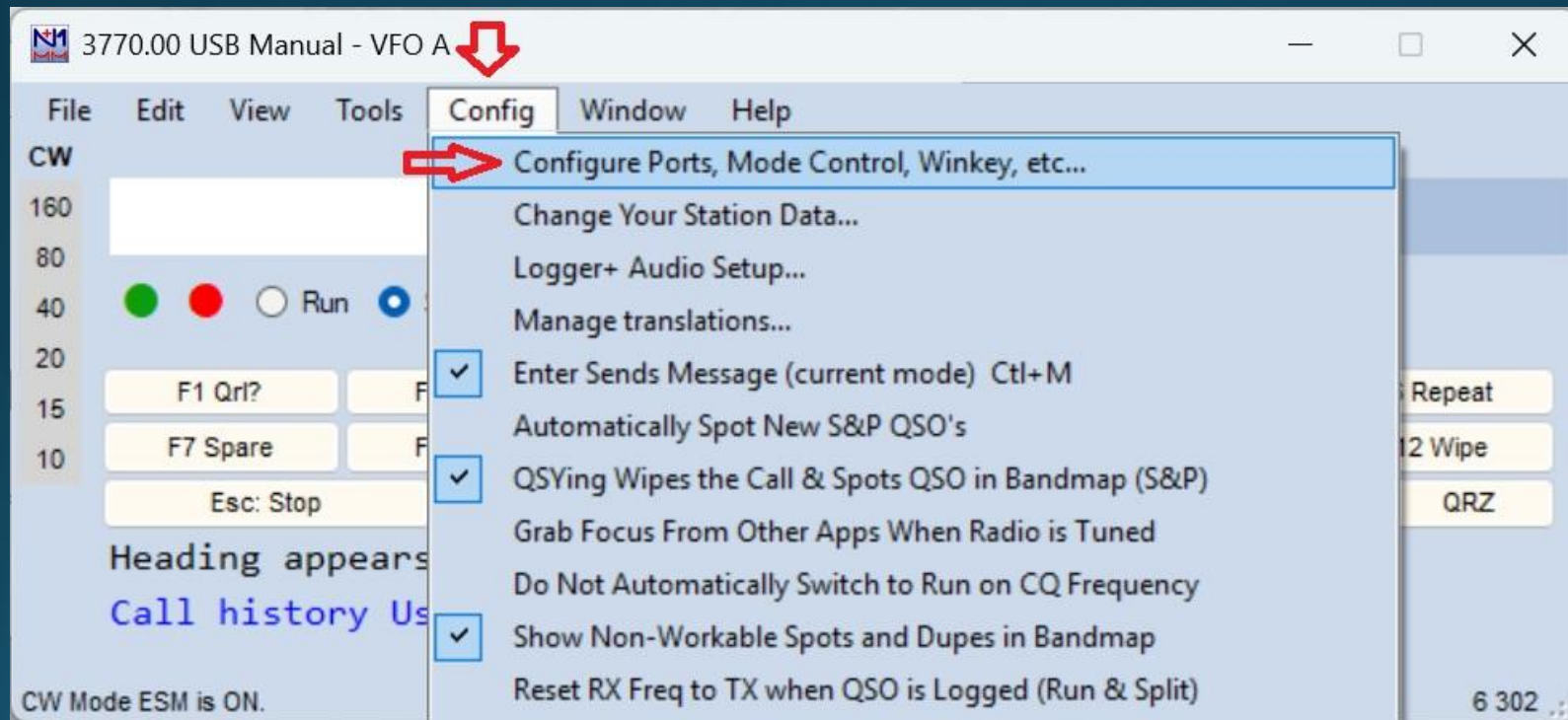


Koble til radio



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	<input type="checkbox"/>	<input type="checkbox"/>	Set	
None	Elecraft KX3	<input type="checkbox"/>	<input type="checkbox"/>	Set	
None	FT-817	<input type="checkbox"/>	<input type="checkbox"/>	Set	
None	Elecraft K2	<input type="checkbox"/>	<input type="checkbox"/>	Set	
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set	
COM3	IC-7300	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Set	
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set	
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set	
LPT1		<input type="checkbox"/>	<input type="checkbox"/>	Set	
LPT2		<input type="checkbox"/>	<input type="checkbox"/>	Set	
LPT3		<input type="checkbox"/>	<input type="checkbox"/>	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

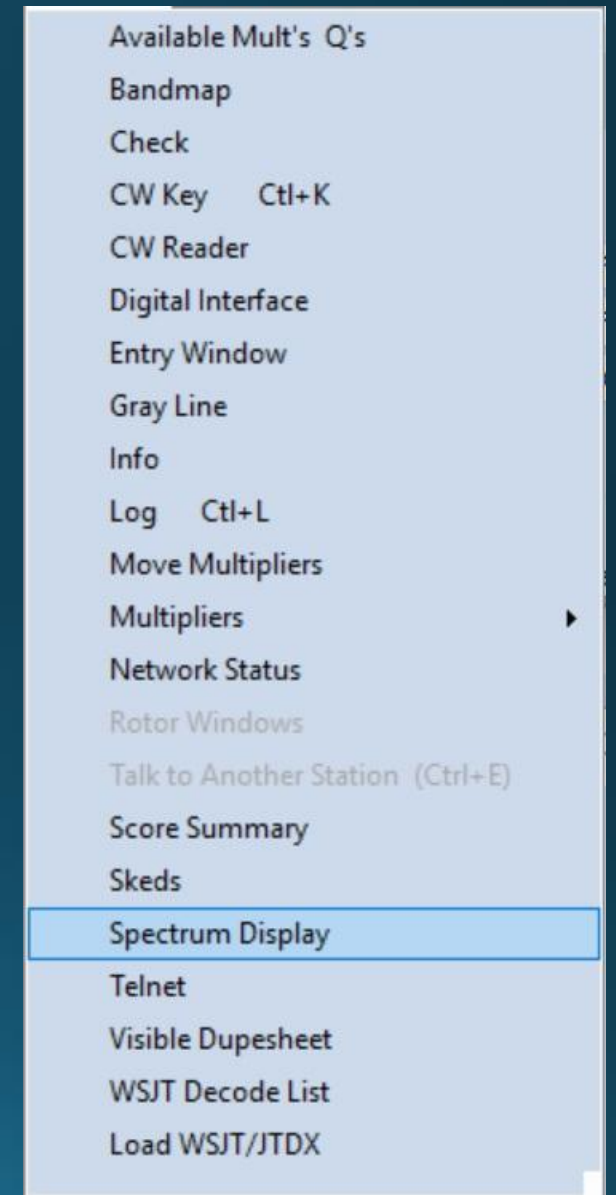
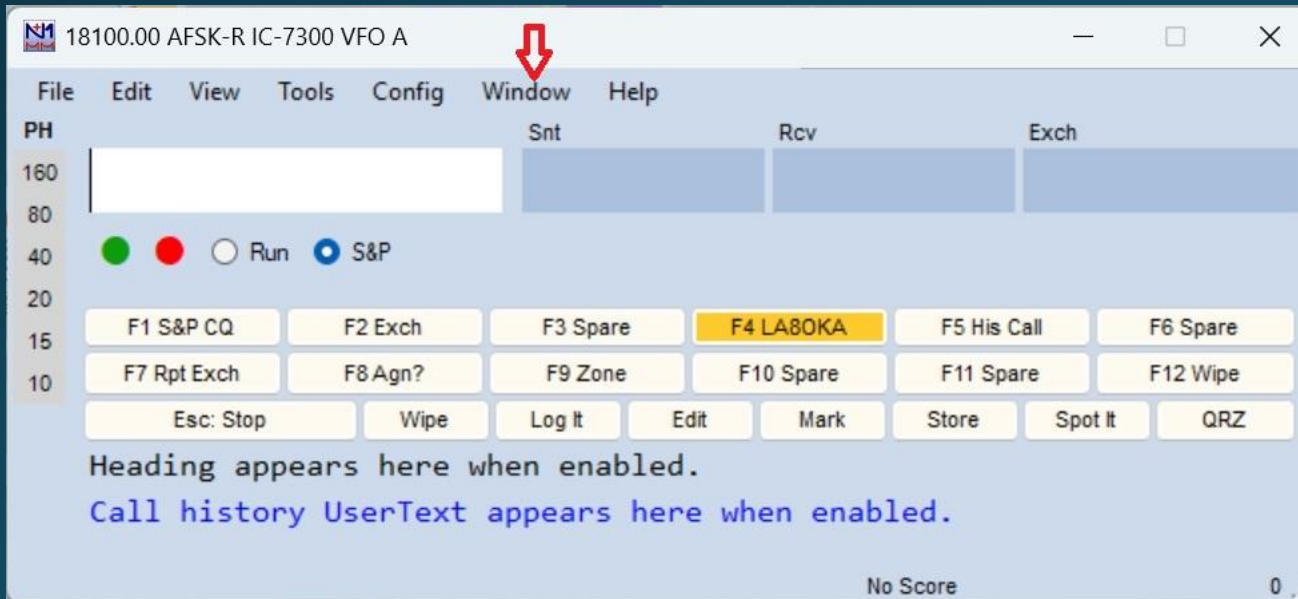
Two Radio Protocol: None
FootSwitch (pin 6): None

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

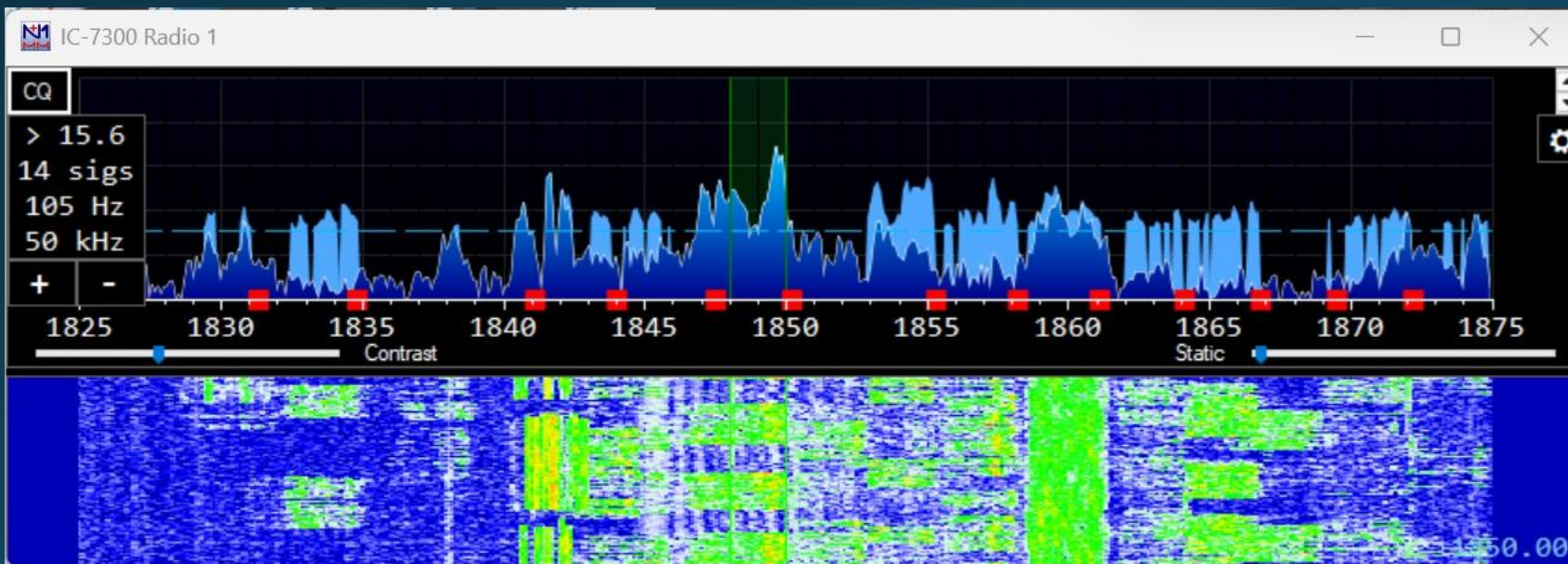
Sette opp Spektrumdisplay

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



Sette opp Spektrumdisplay

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



The screenshot shows the settings menu for the software. The menu items are:

- 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

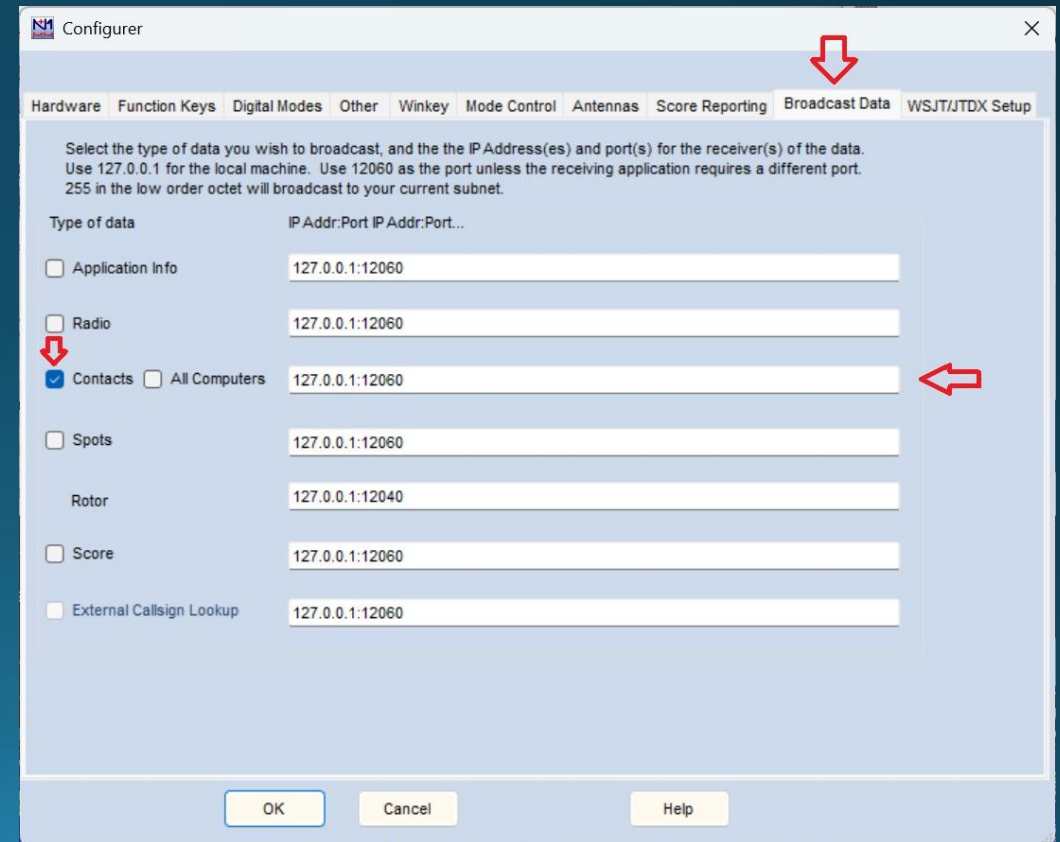
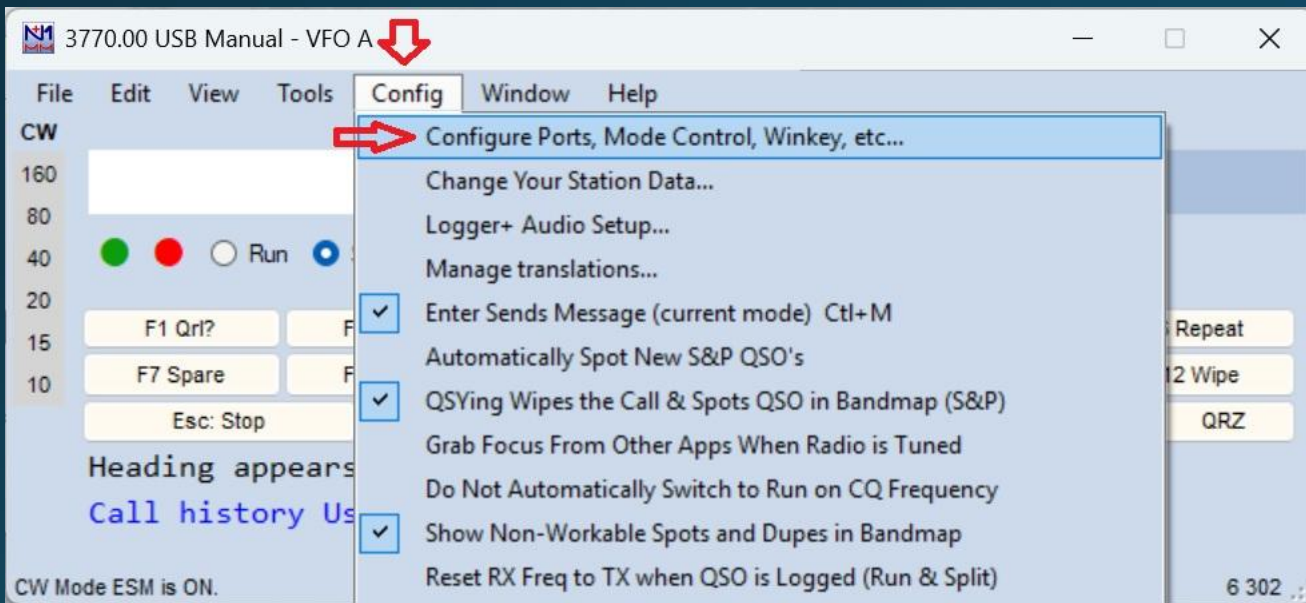
- Velg hvilken SDR mottaker du har.
- For ICOM IC-7300, velg Icom Level Data – Radio 1

Spectrum Setup for IC-7300 Radio 1

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

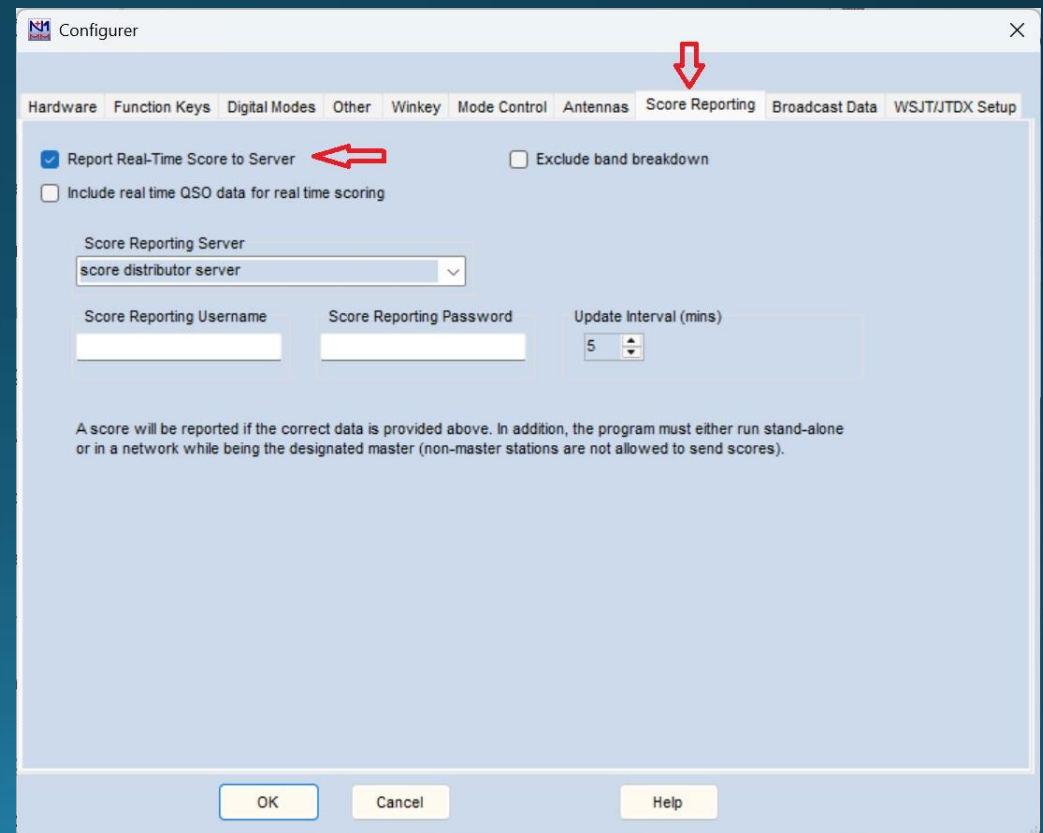
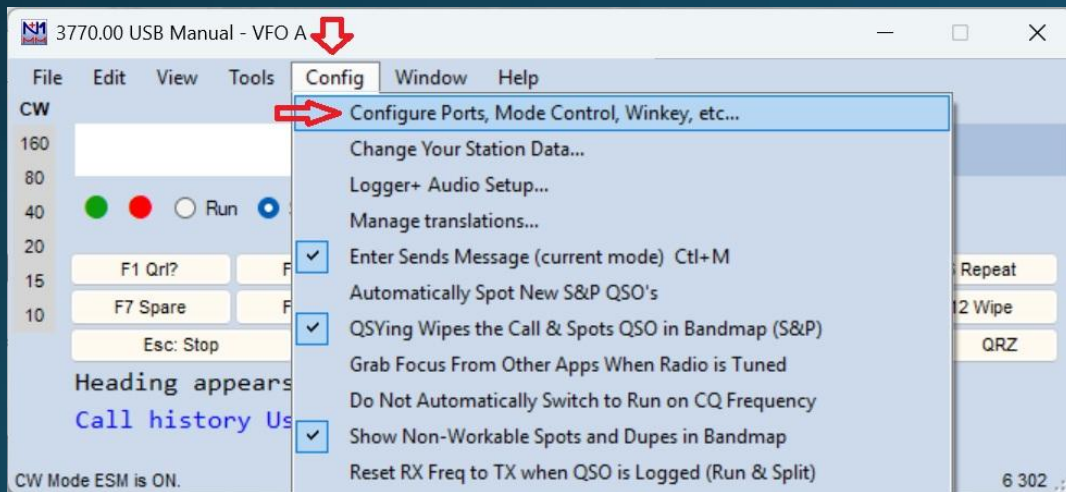
Kringkasting av loggdata

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

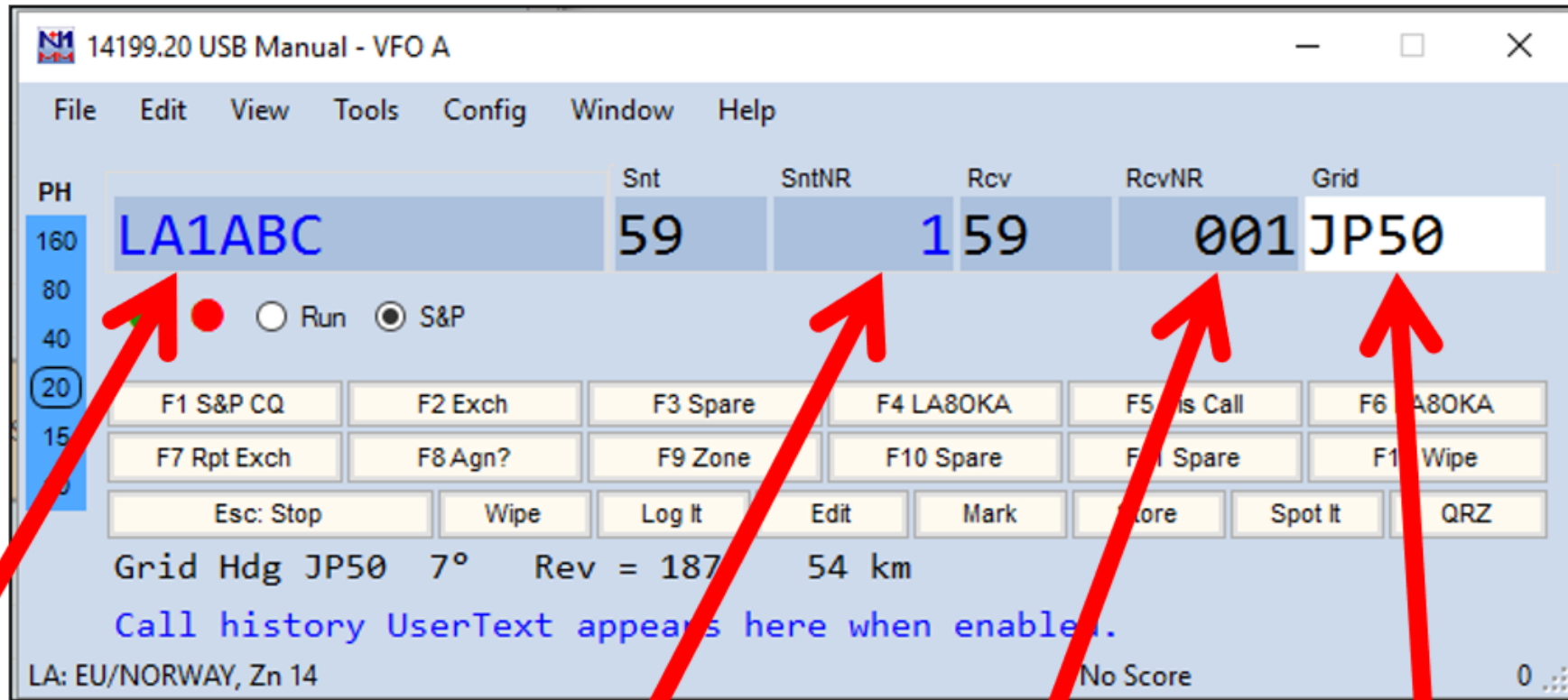


Rapportere score underveis.

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



Kjør contest



Motstasjonens
kallesignal

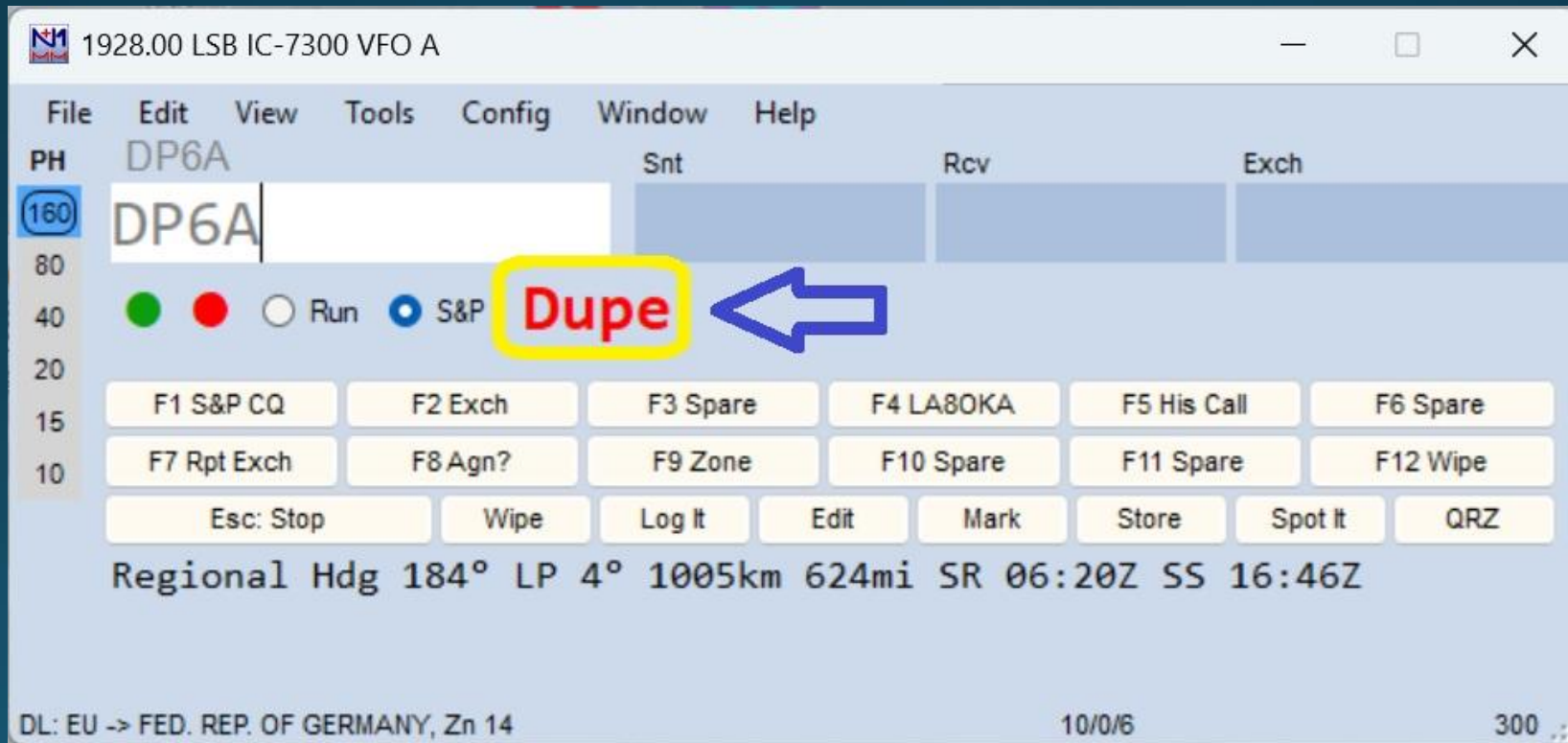
Ditt serienummer

Motstasjonens
serienummer

Motstasjonens
lokator

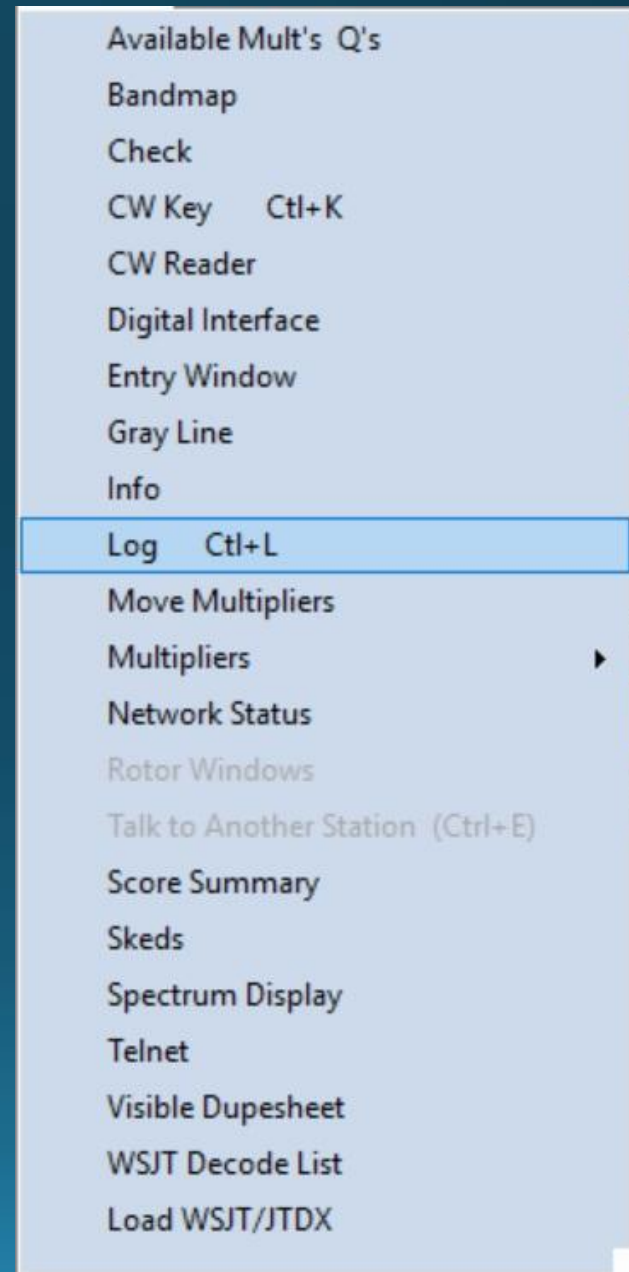
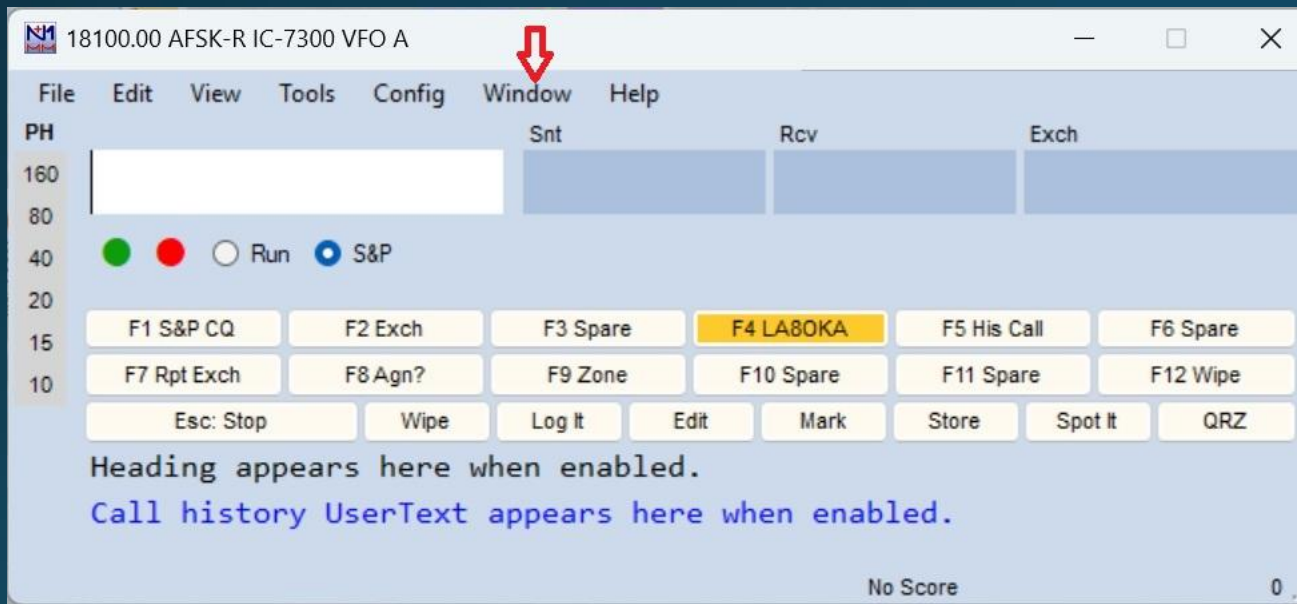
Duplikat

- 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.



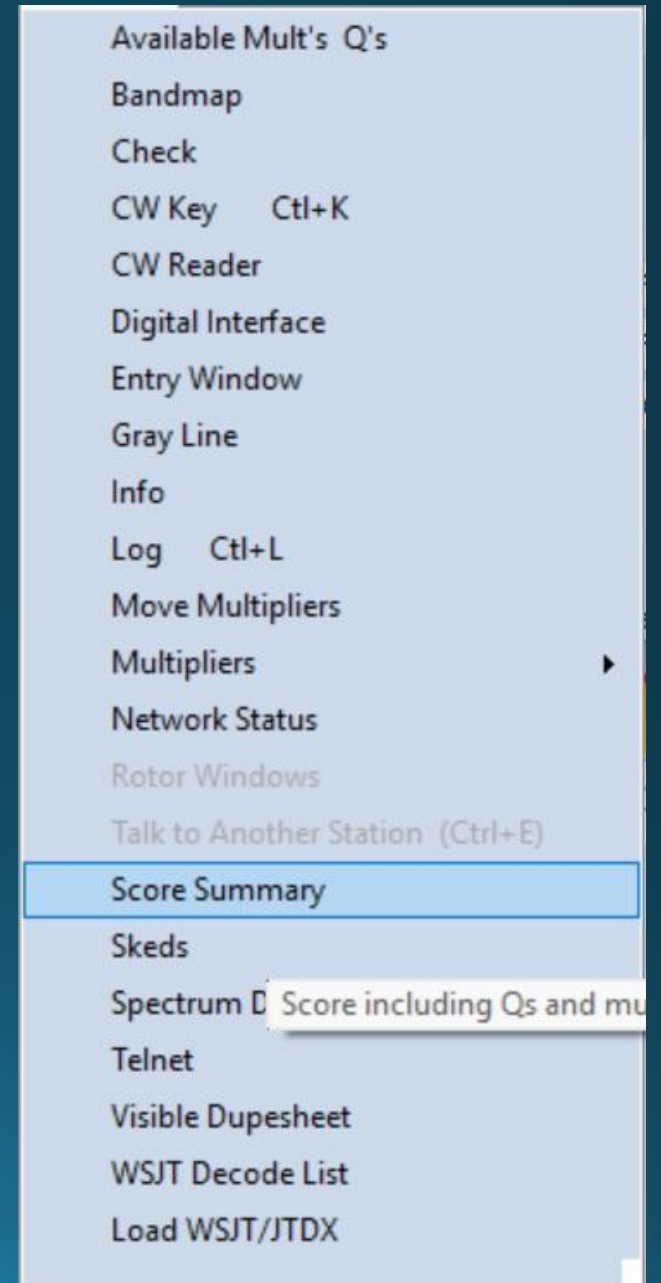
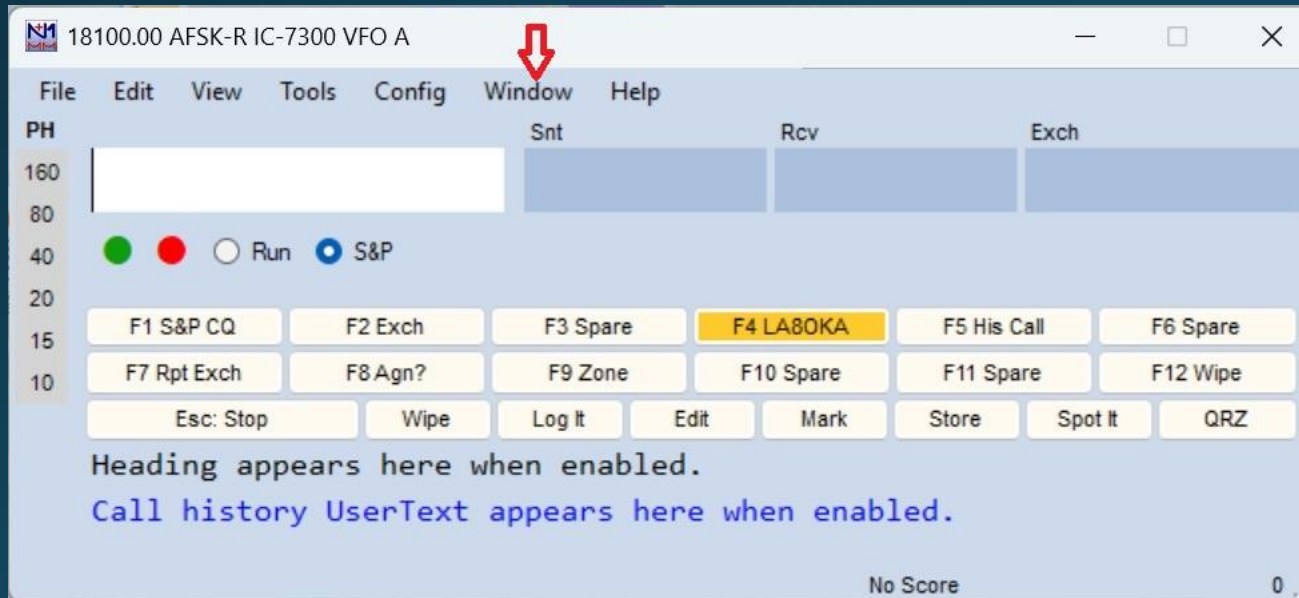
Loggvindu

- Her kan man sjekke at man har logget stasjonen.



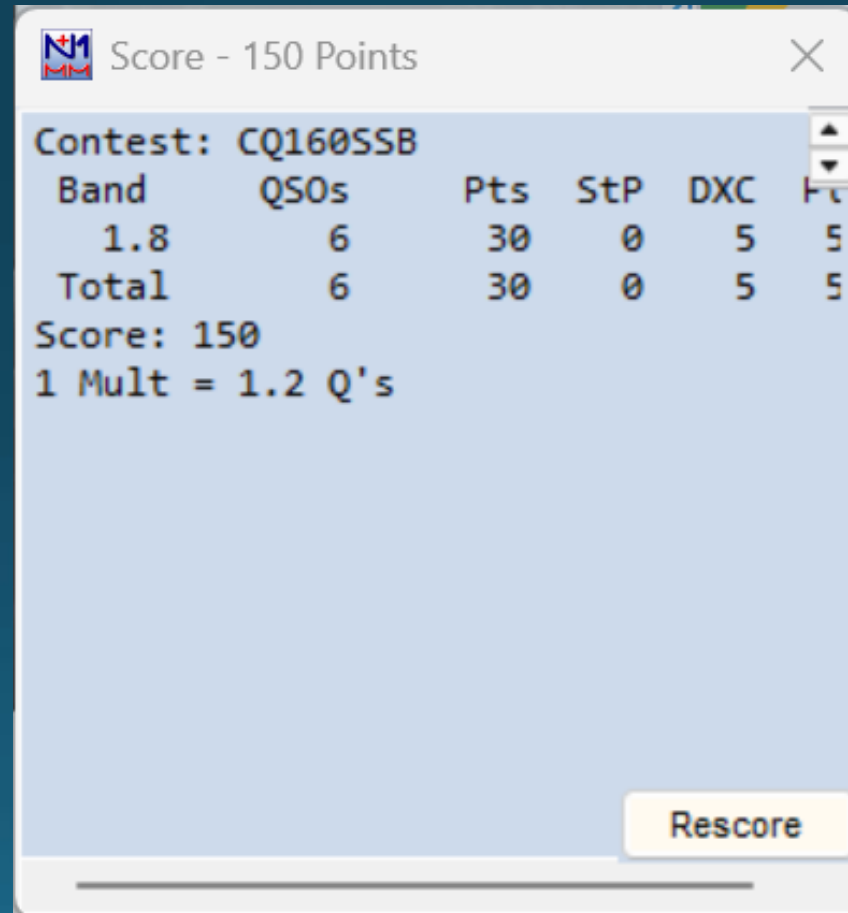
DD-MM	HH:MM	Call	Freq	Snt	Rcv	Exch	M1	F
21-02	22.04	LY4A	1850.00	59	59	15		LY
21-02	22.08	LX1NO	1853.04	59	59	14		LX
21-02	22.12	SP8R	1869.00	59	59	15		SP
21-02	22.13	OK1W	1874.00	59	59	15		OK
21-02	22.14	SQ9Y	1879.00	59	59	15		SP
<hr/>								
21-02	22.14	SQ9Y	1879.00	59	59	15		SP

Åpne scorevinduet



Scorevinduet

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



Score - 150 Points

Contest: CQ160SSB

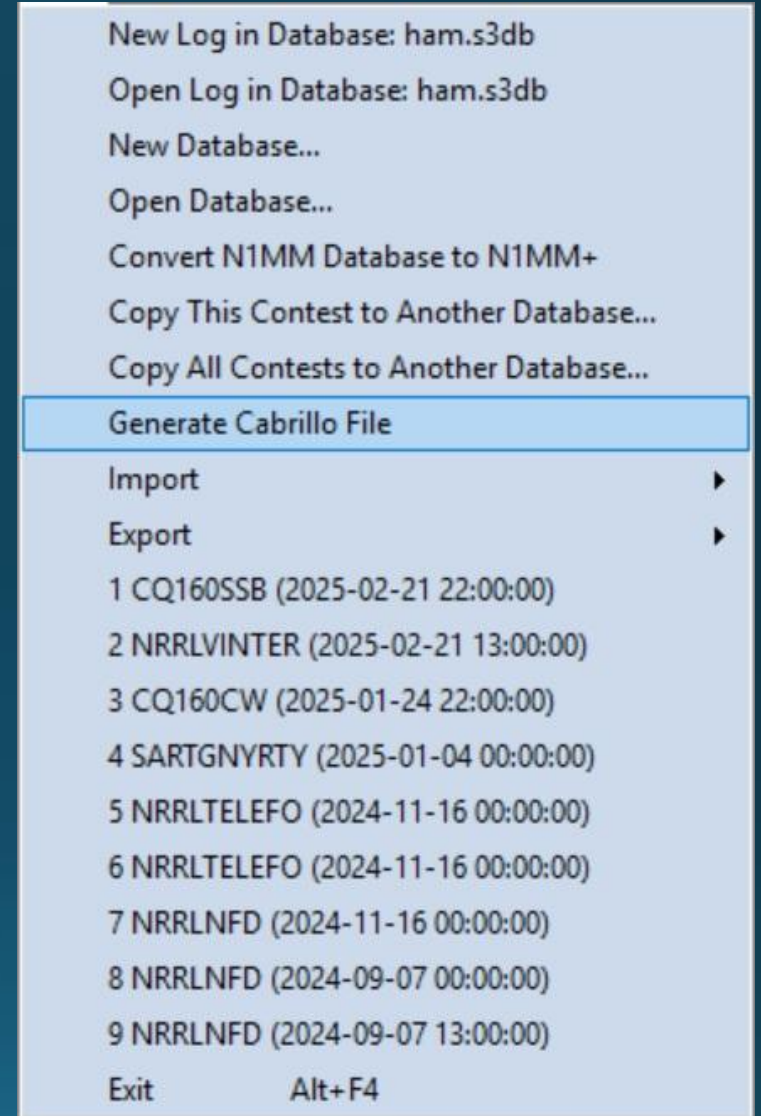
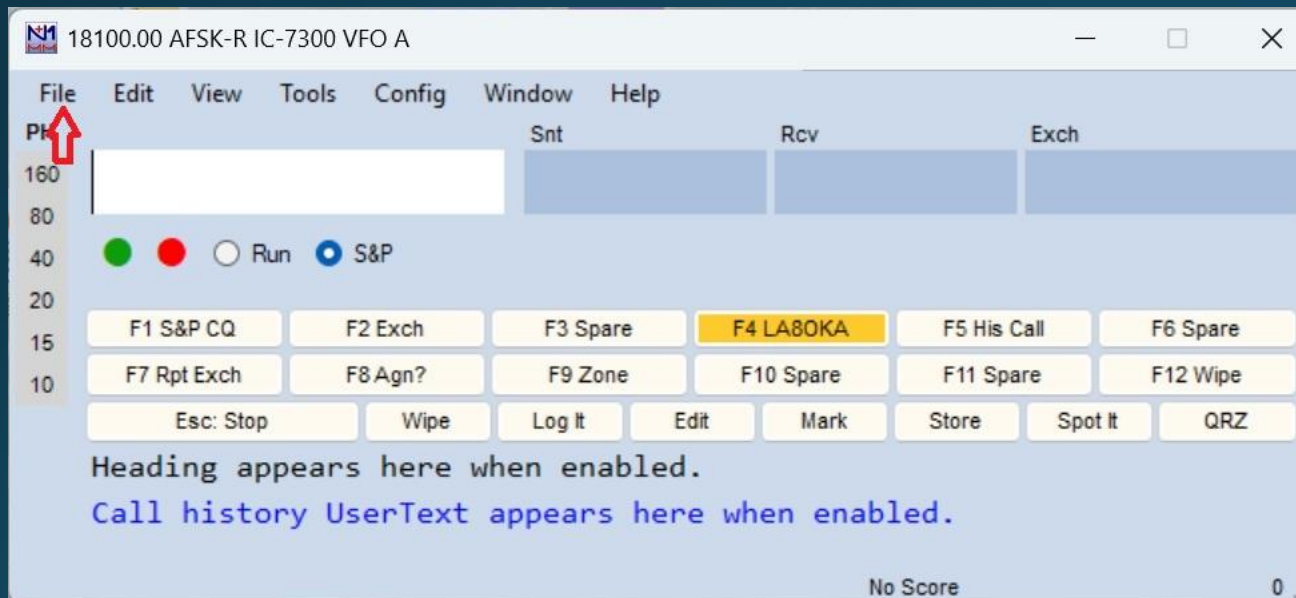
Band	QSOs	Pts	StP	DXC	Pt
1.8	6	30	0	5	5
Total	6	30	0	5	5

Score: 150
1 Mult = 1.2 Q's

Rescore

Lage cabrillo-fil.

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



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
```