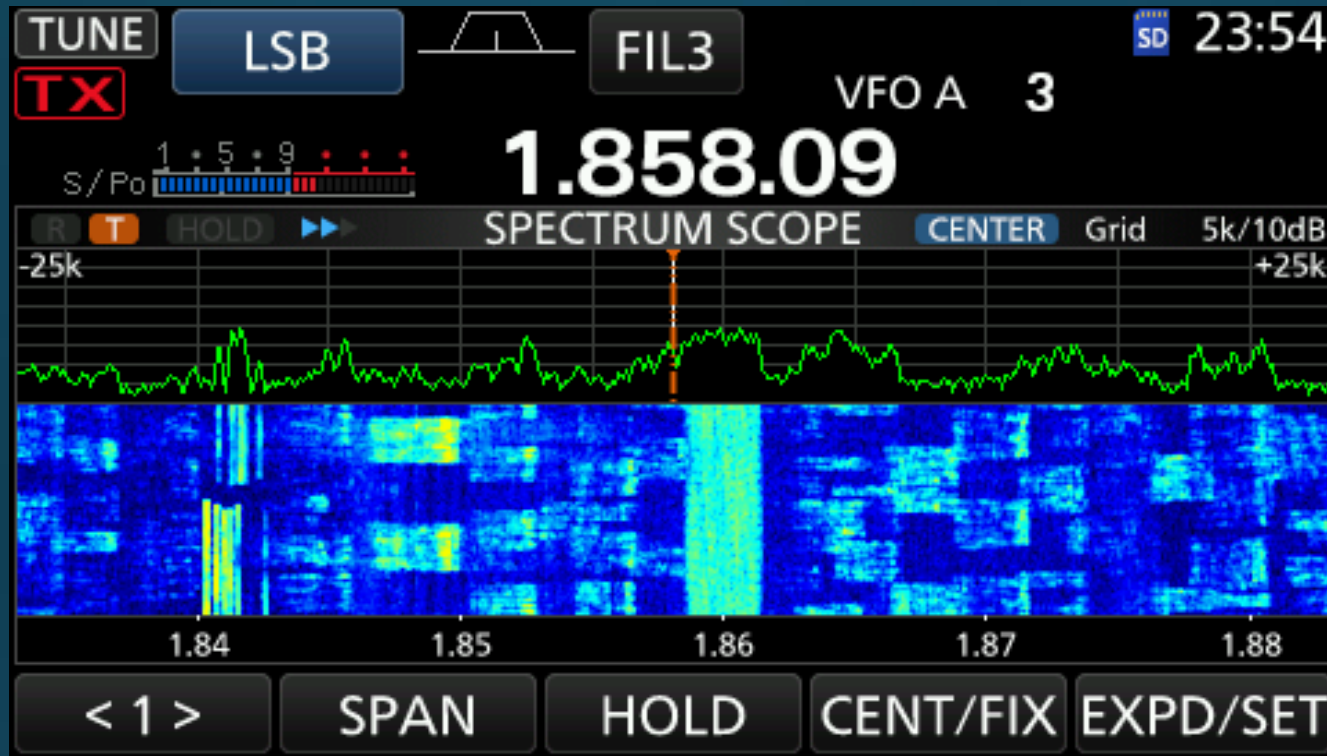




Hvordan sette opp N1MM+ til NRRL's Field Day

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.



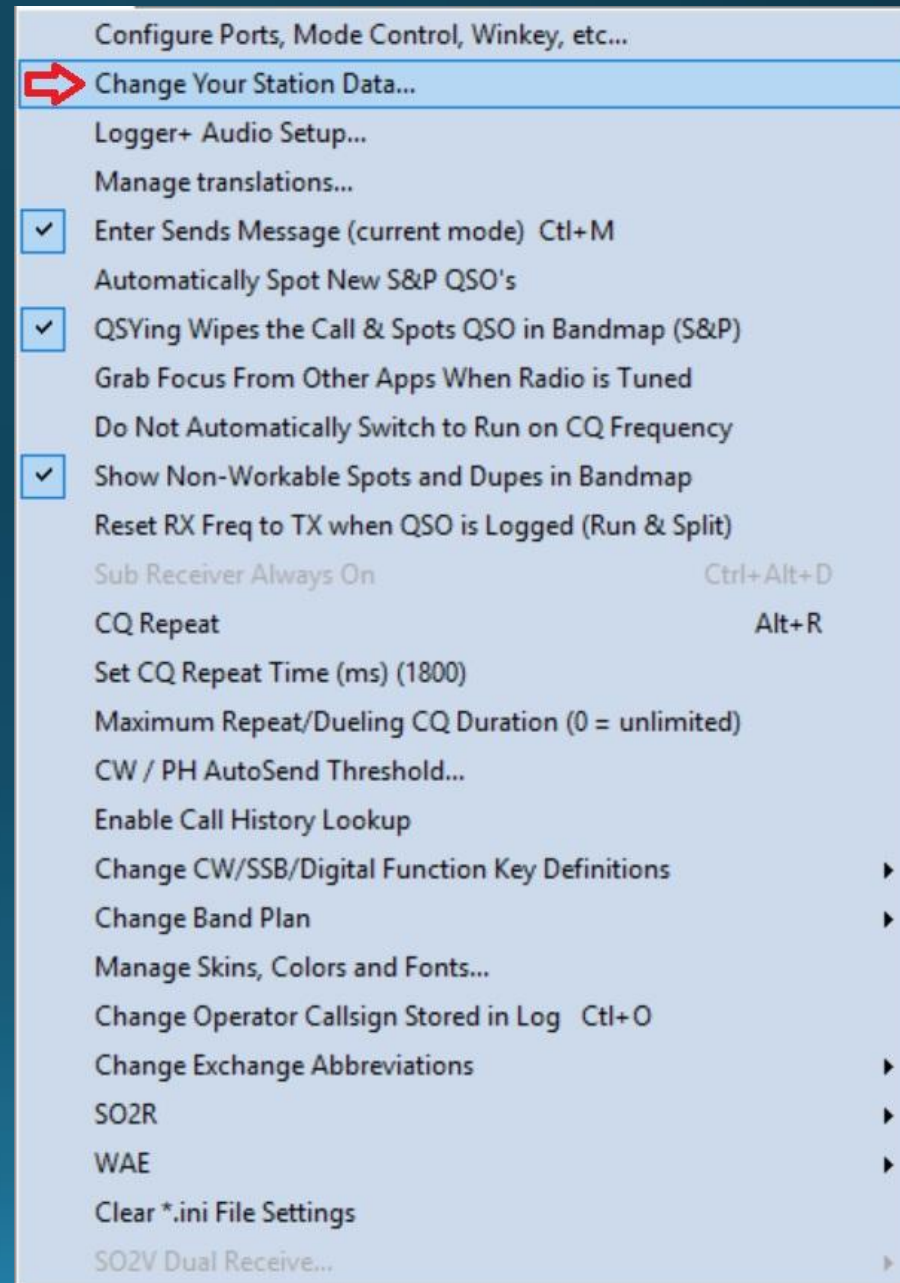
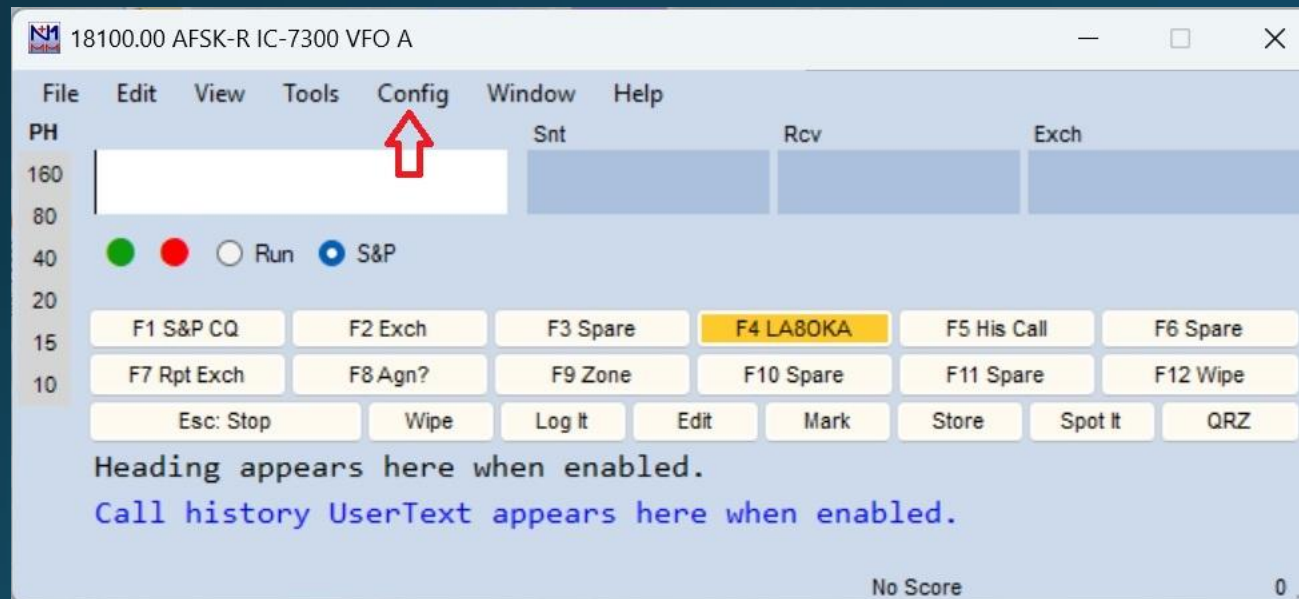
Eksempler

- I denne presentasjonen brukes følgende eksempler:
- Contest: NRRL Field Day
- 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

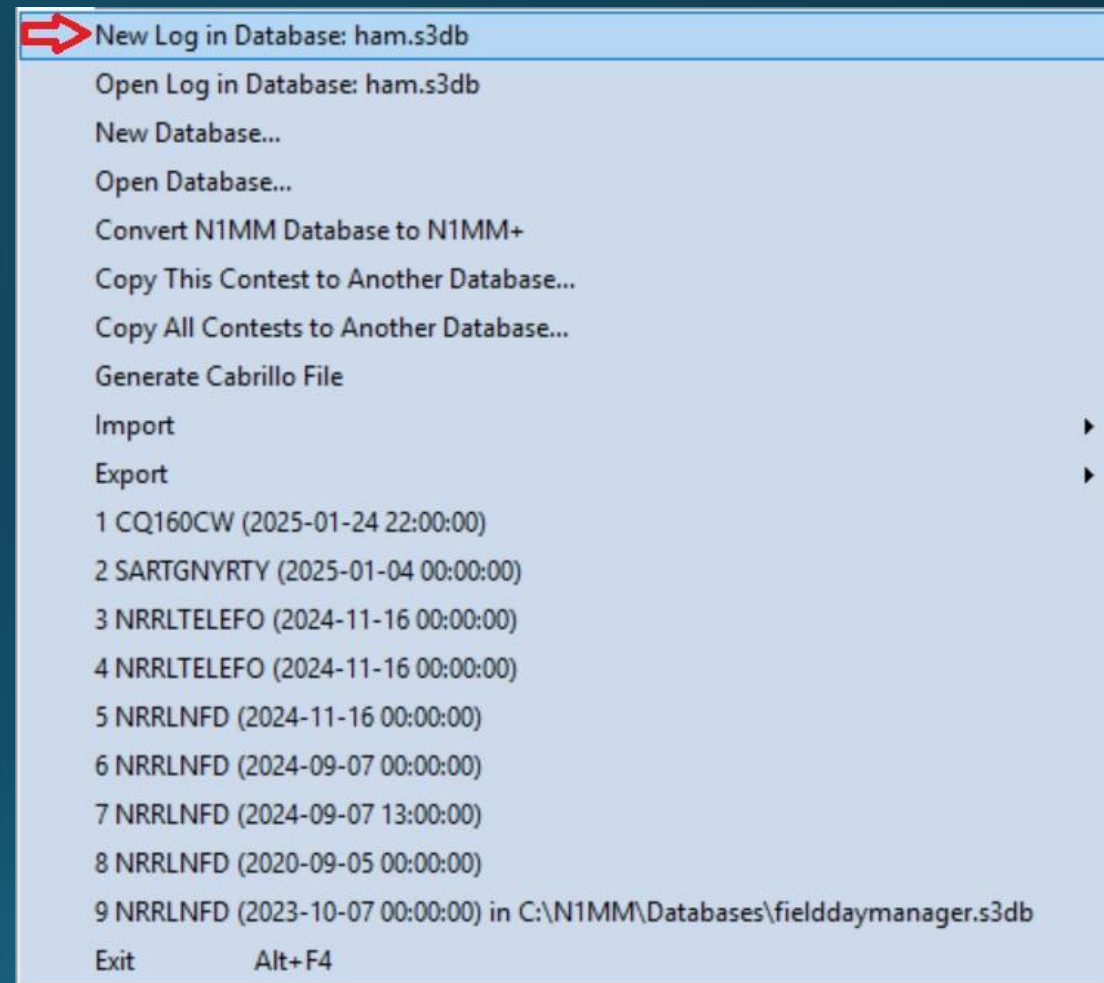
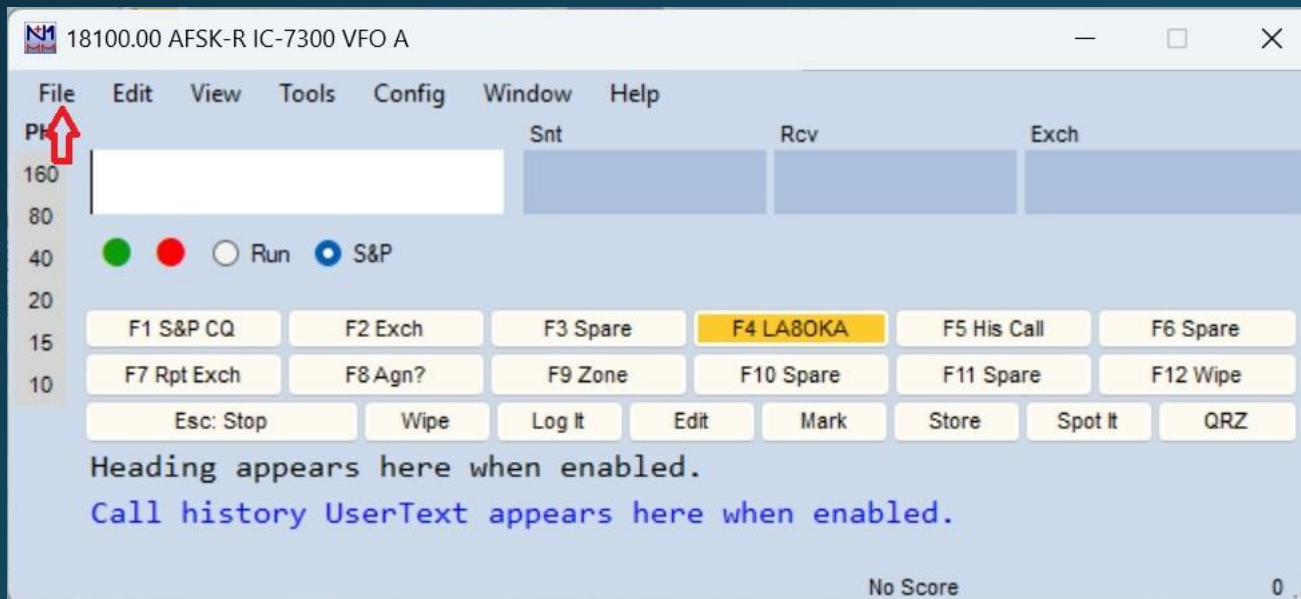
Tip: You need to fill out this form or the program will not perform properly... Also, make sure your computer date and time are set to the LOCAL date and time zone for your location.

Call	LA1ABC		
Name	Hans Hansen		
Address	Hanseveien 1a		
Address			
City	Hansabyen	State	
Zip	1234		
Country	Norway		
Grid Square	JP49KA	CQ Zone	14
ITU Zone	18		
License	A	Latitude	69.0208 N
Longitude	8.8750 E		
Station TX/RX	TS-590S		Power
Antenna	Dipole	Ant. Height	6 a.s.l. 175
ARRL Section	DX		
Rover QTH			
Club	LA40		
Email address	Hans@hansen.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: NRRLNFD
- Operator: Velg klasse
- Power: Velg effekt
- Mode: Velg modulasjon
- Sent Exchange: Skriv #
- Operators: Kallesignal

TEST_DATABASE.s3db

Select Contest Type for New Log

Log Type: **NRRLNFD** | NRRL Fieldday

Start Date: **2026-09-05 00:00:00**

Total number of contacts in database: 0

Contest: Associated Files

Populate All From Last Log Show Setup Show Rules

Category

Operator: SINGLE-OP

Band: ALL

Power: LOW

Mode: SSB+CW+DIGITAL

Overlay: N/A

Station: PORTABLE

Assisted: ASSISTED

Transmitter: ONE

Sent Exchange: #

Operators: LA1ABC

Soapbox

State for Log Type QSOPARTY

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

Time Category: N/A

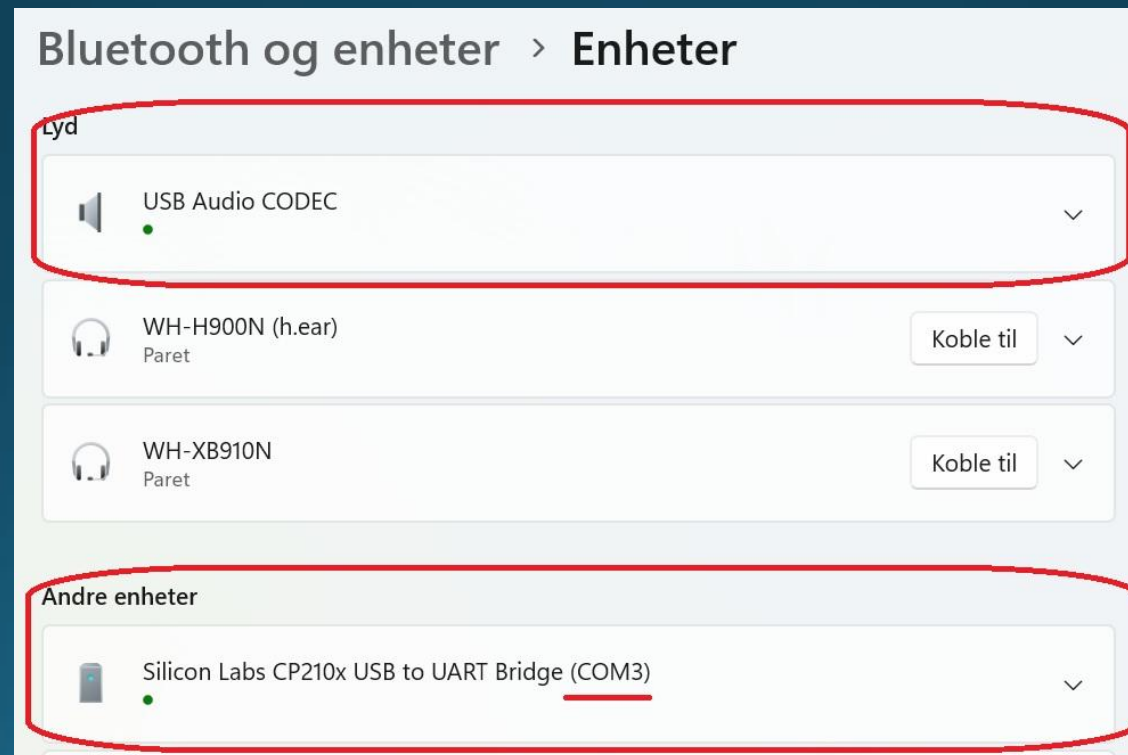
Omit RST: CQWW: 05 SS: A 56 EMA

Update Ops from Log

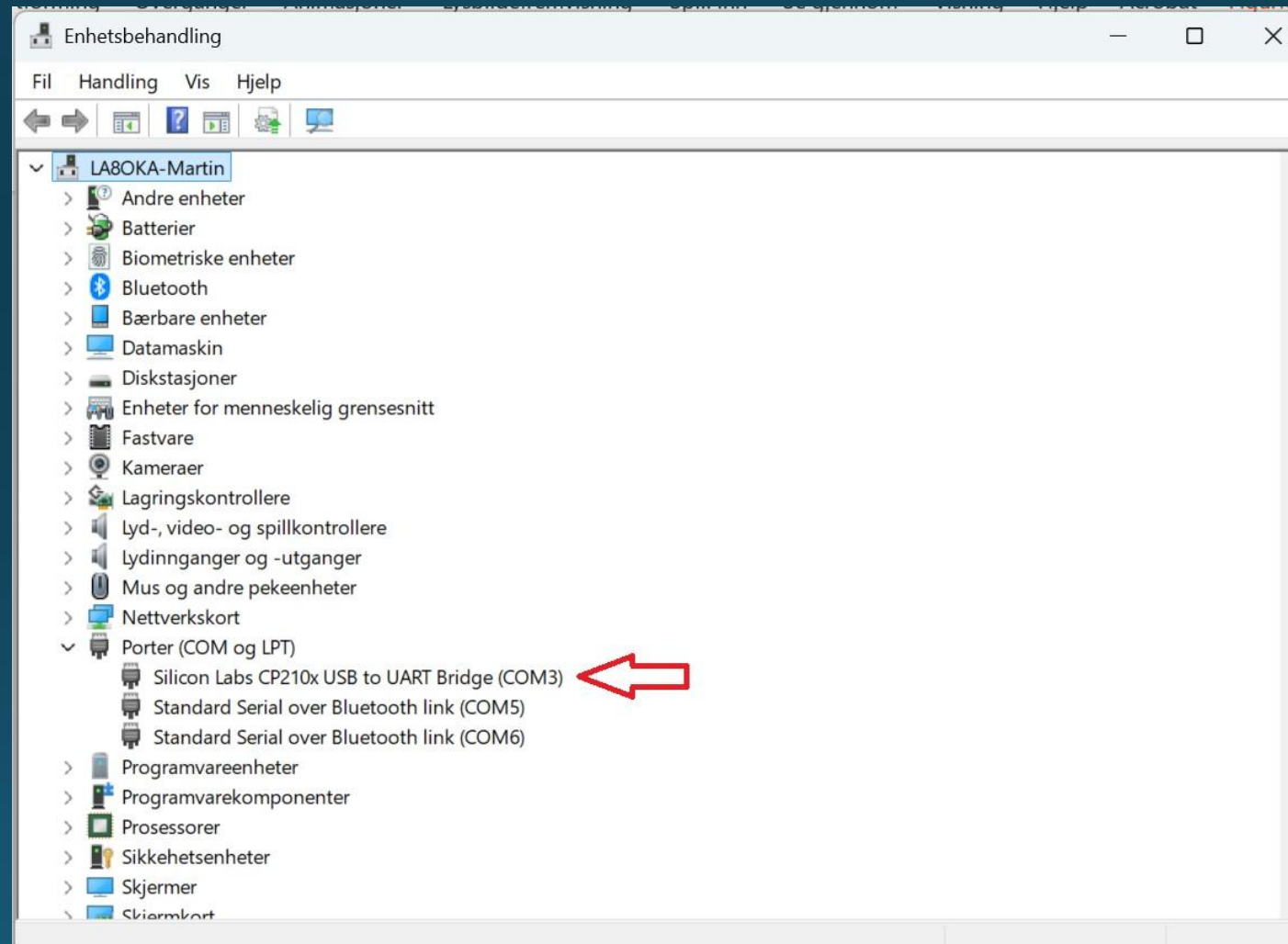
OK Help Cancel

Koble til radio

- Finn ut hvilken COM-port radioen din bruker (og hvilket lydkort den har dersom radioen eller interfacet har lydkort).

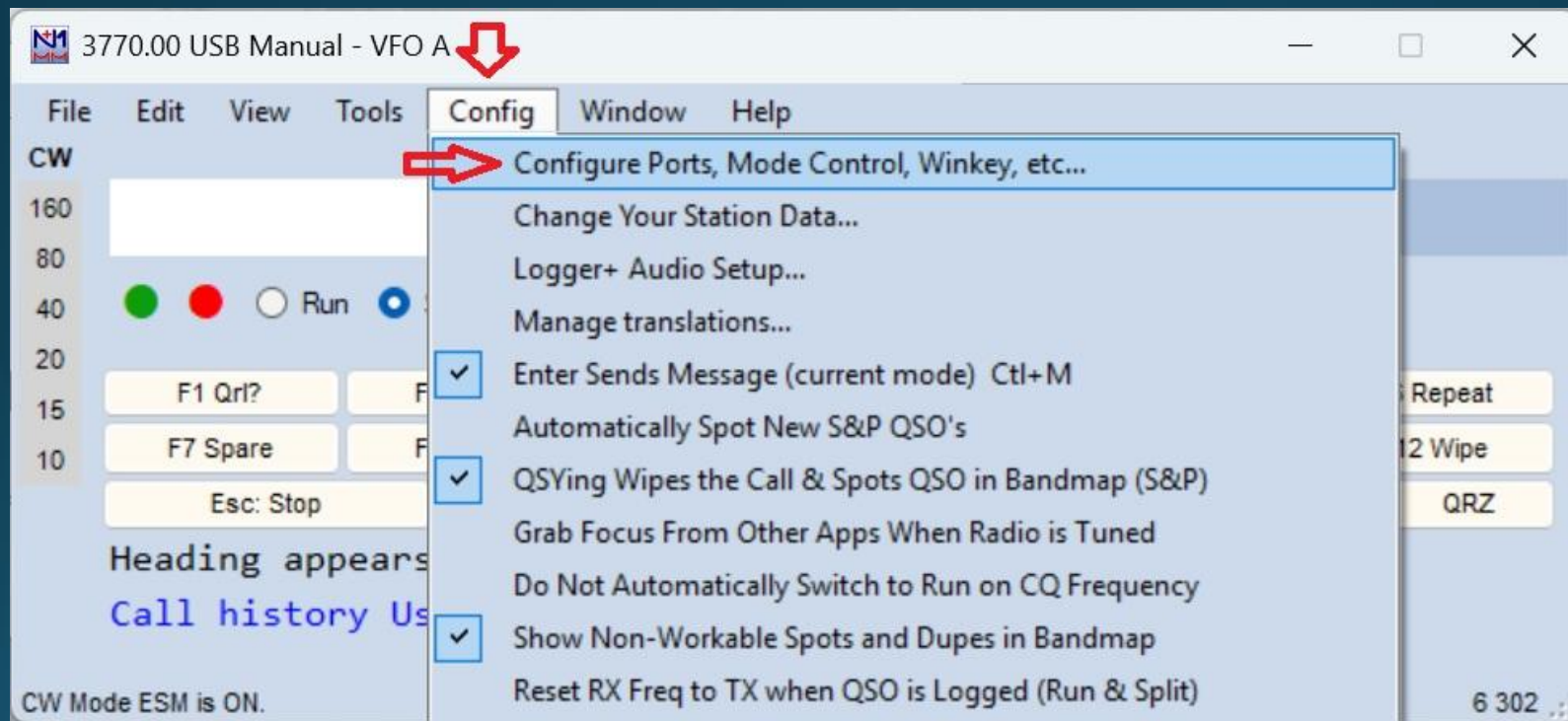


Koble til radio



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.
- Bildet til høyre viser oppsett for ICOM IC-7300.

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

Eksempel på oppsett for andre radioer:

Com3

Speed	Parity	DataBits	Stop Bits
38400	N	8	1

DTR (pin 4)	RTS (pin 7)	Radio Nr
Always Off	Always Off	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

FootSwitch (pin 6) None

Oppsett for YAESU FTX-1

Suggested FTX-1 Settings:
- Use the ENHANCED COM port
- 38400, N, 8, 1, Always Off, Always Off
- See the N1MM manual for radio menu settings

Help OK Cancel

Com4

Speed	Parity	DataBits	Stop Bits
9600	N	8	1

DTR (pin 4)	RTS (pin 7)	Radio Nr
Handshake	Handshake	1

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
☐ Dig Modes Acc Jack Radio Cmd PTT

FootSwitch (pin 6) None

Oppsett for KENWOOD TS-590

Suggested TS-590 Kenwood Settings:
38400, N, 8, 1, Handshake, Handshake

The radio can not be in Memory or Call mode.

Help OK Cancel

Com3

Speed	Parity	DataBits	Stop Bits
38400	N	8	1

DTR (pin 4)	RTS (pin 7)	Radio Nr
Always Off	Always Off	1

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

FootSwitch (pin 6) None

Oppsett for YAESU FT-891

Suggested FT-891 Settings:
38400, N, 8, 1, Always Off, Always Off

Display help for the configurator.

Help OK Cancel

Com3

Speed	Parity	DataBits	Stop Bits
38400	N	8	1

DTR (pin 4)	RTS (pin 7)	Radio Nr
Always Off	Always Off	1

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
FootSwitch (pin 6) None

Oppsett for YAESU FT-710

Suggested FT-710 Settings:
38400, N, 8, 1, Always Off, Always Off

Help OK Cancel

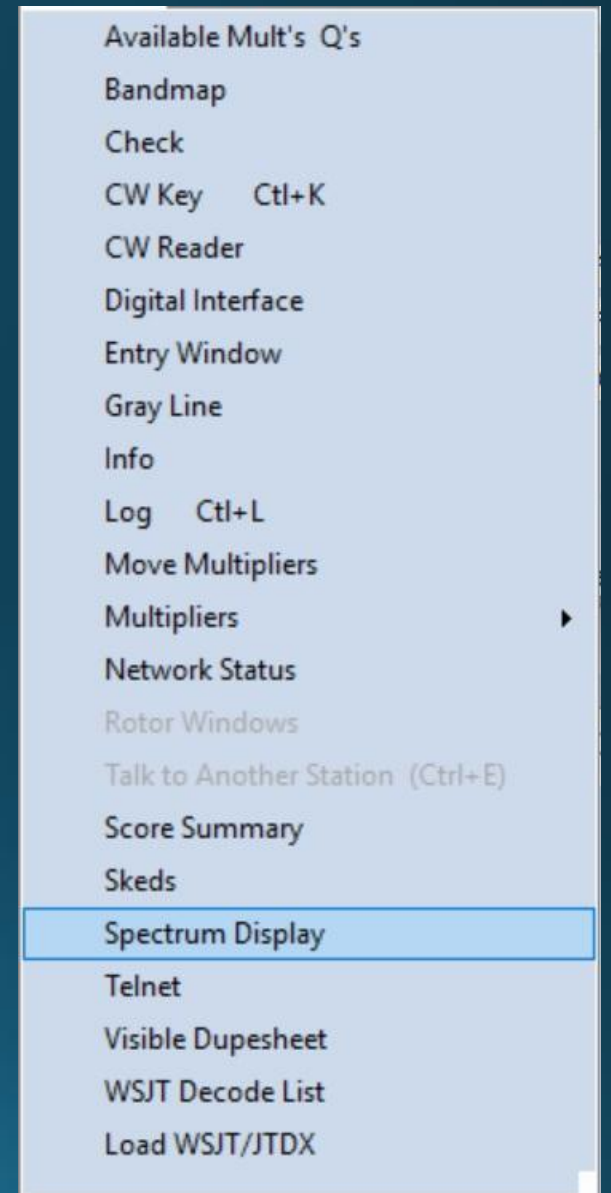
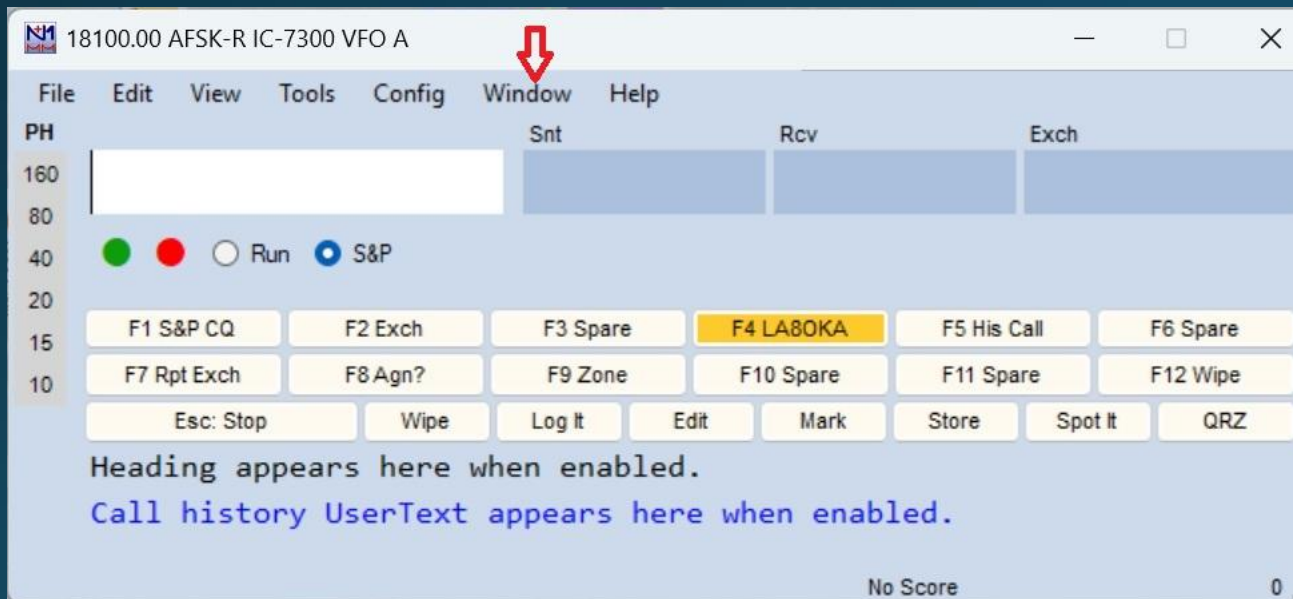
Sjekk ALLTID radioens baudrate.

Se i radioens bruksanvisning for å finne ut hvordan man sjekker radioens baudrate!

Bruk det anbefalte oppsettet i N1MM+.

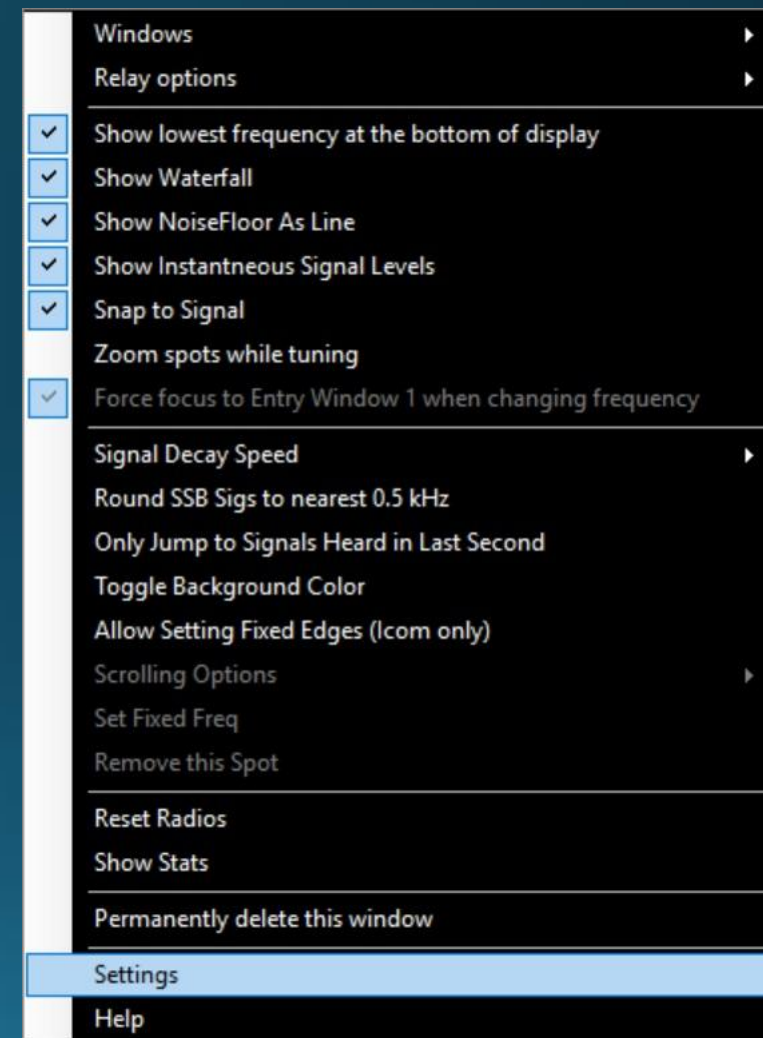
Sette opp Spektrumdisplay

- 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 musen på sort bakgrunn.
- Velg «Settings»



Sette opp Spektrumdisplay

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

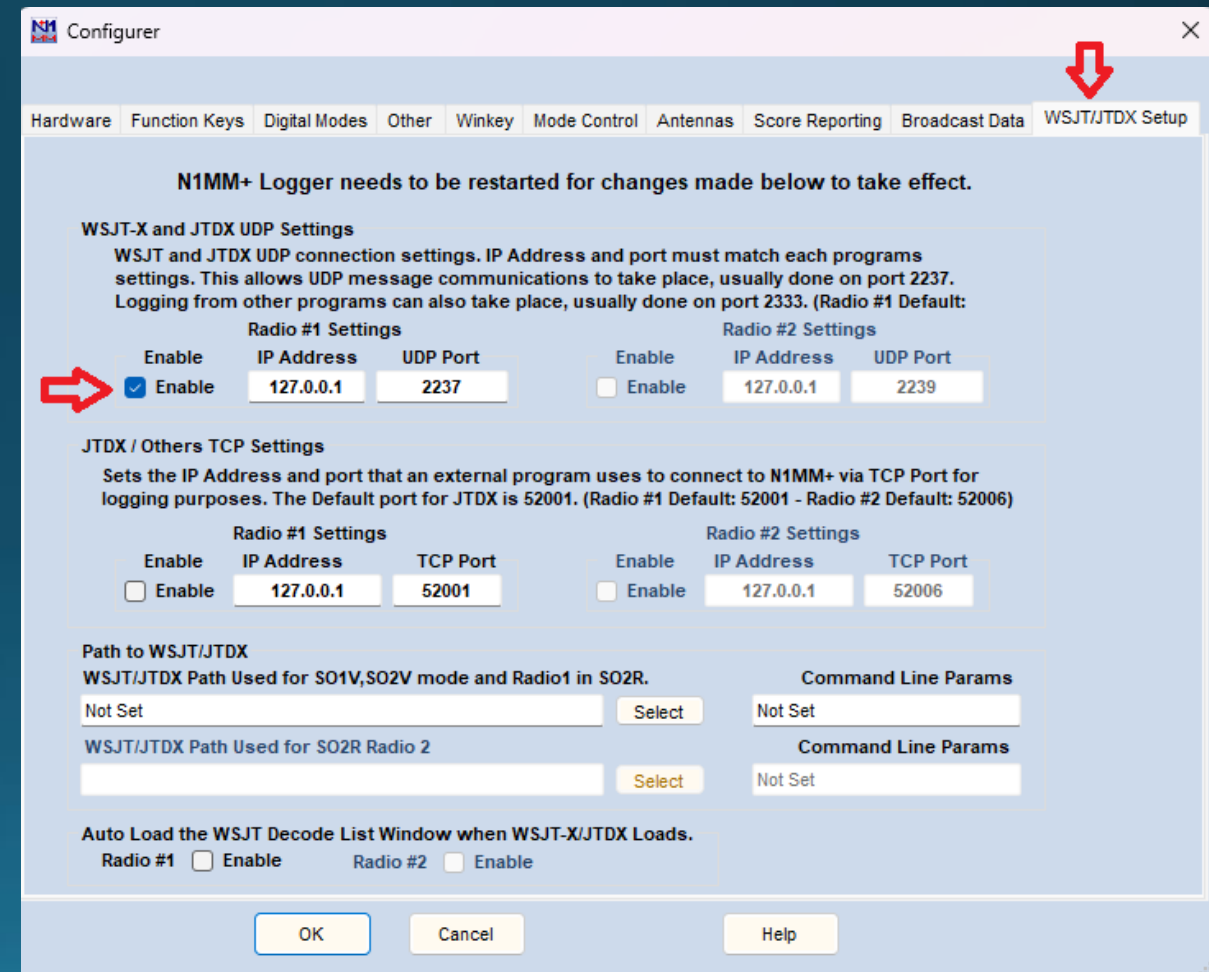
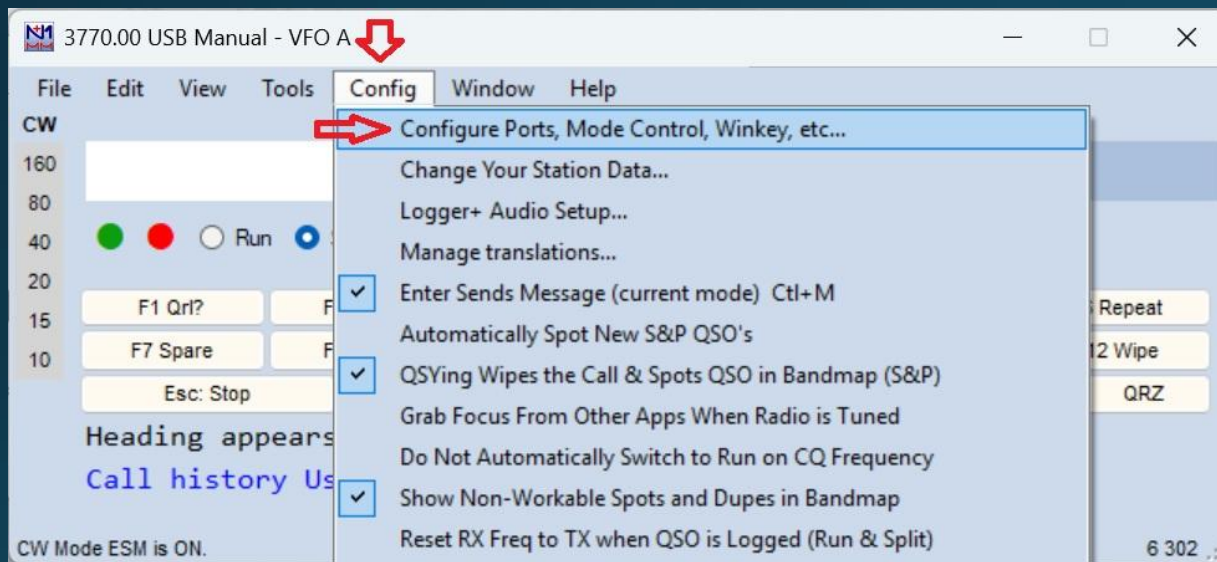
Spectrum Setup for IC-7300MK2 Radio 1

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

Denne settingen gjør at du kan se spottene i spektrumdisplayet.

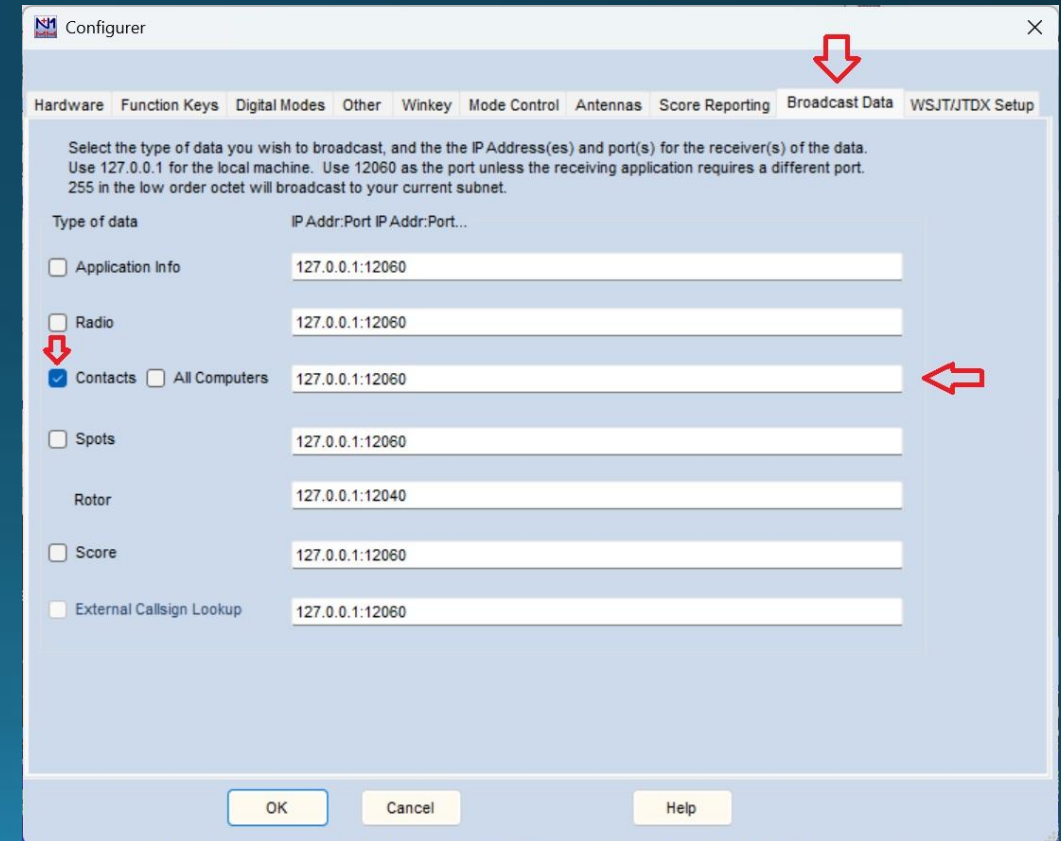
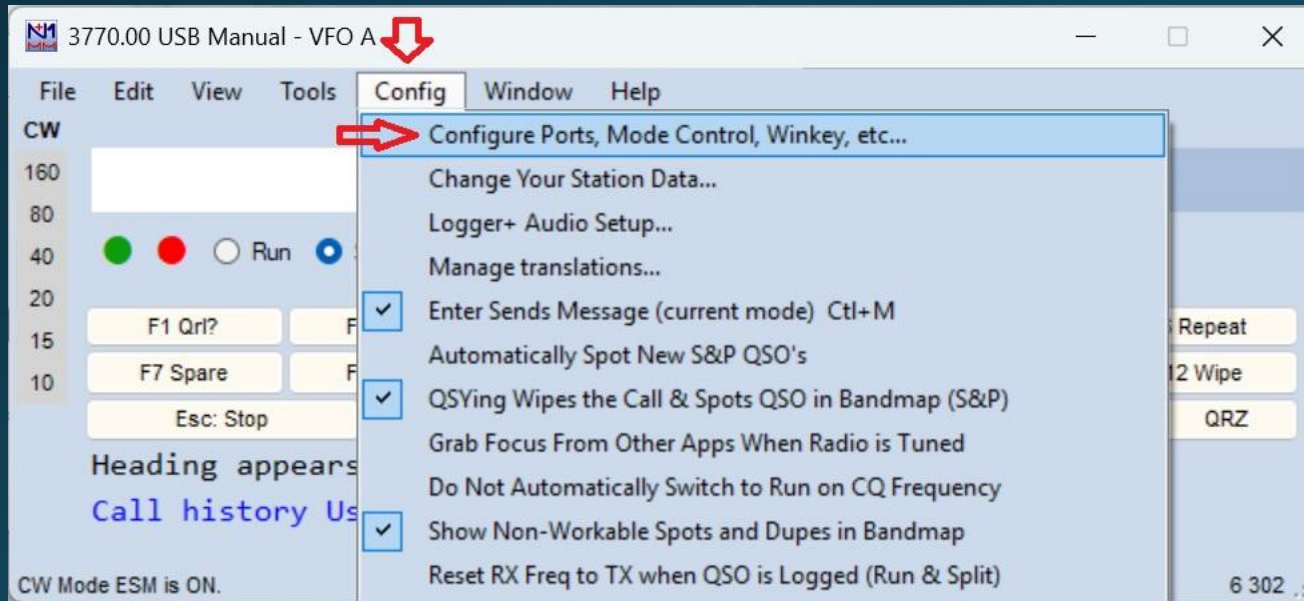
Motta data fra WSJT-X

N1MM+ kan motta loggdata direkte fra WSJT-X.



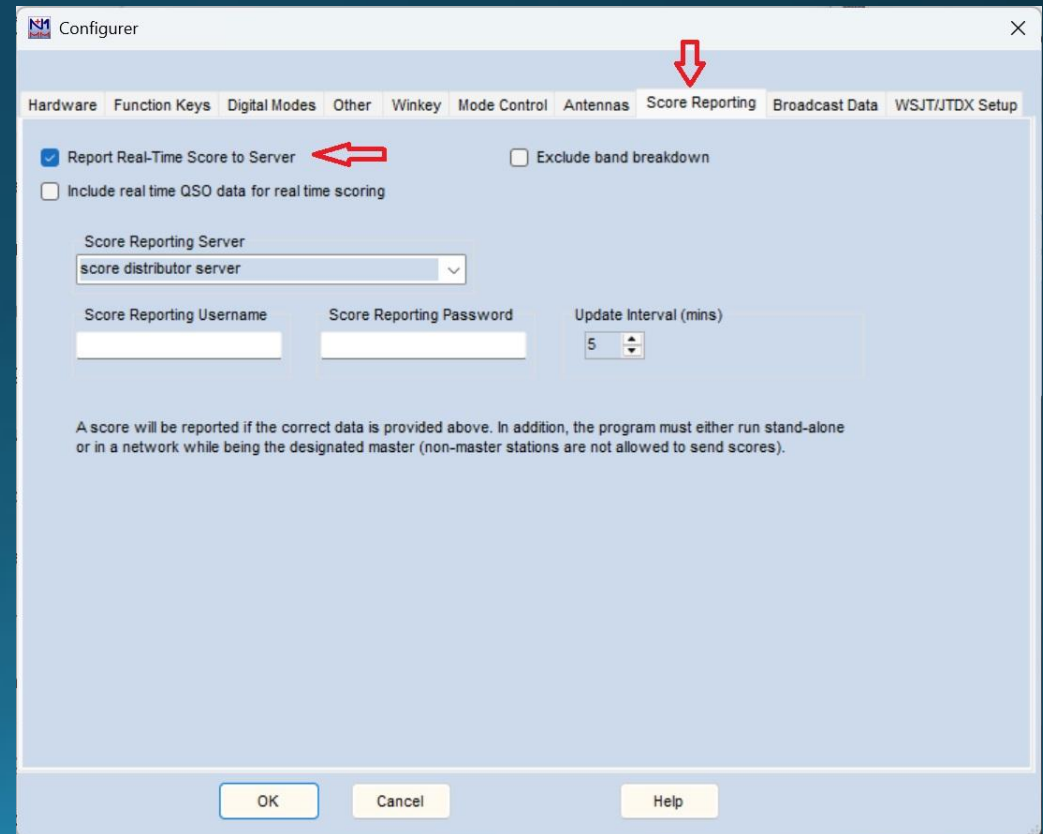
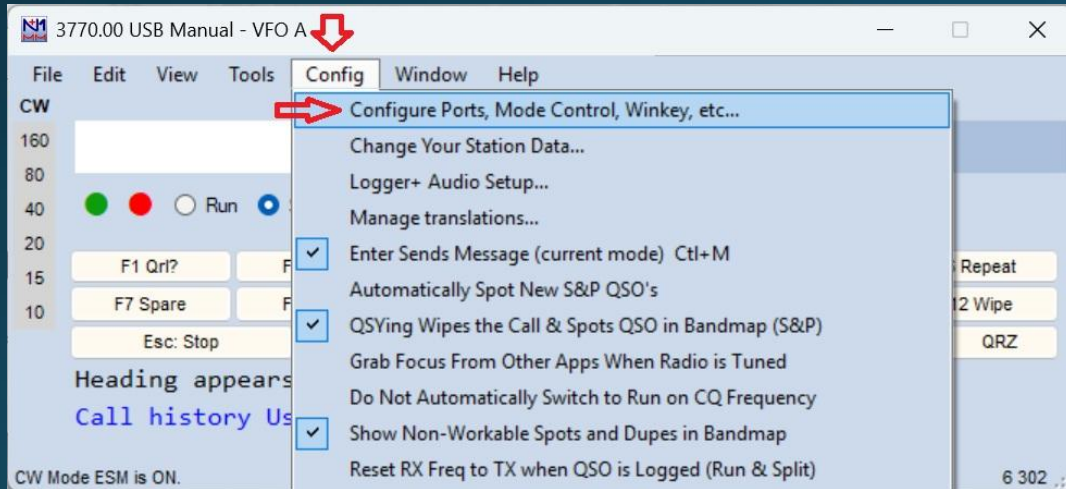
Kringkasting av loggdata

- 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

The screenshot shows the '14199.20 USB Manual - VFO A' window. At the top is a menu bar with 'File', 'Edit', 'View', 'Tools', 'Config', 'Window', and 'Help'. Below the menu bar is a header row with labels: 'PH', 'Snt', 'SntNR', 'Rcv', 'RcvNR', and 'Grid'. The main data row contains the following values: 'LA1ABC' under PH, '59' under Snt, '1' under SntNR, '59' under Rcv, '001' under RcvNR, and 'JP50' under Grid. To the left of the PH field is a vertical frequency scale with values 160, 80, 40, 20, and 15. Below the header row are two radio buttons: 'Run' (unselected) and 'S&P' (selected). Below the radio buttons is a grid of function buttons: F1 S&P CQ, F2 Exch, F3 Spare, F4 LA8OKA, F5 is Call, F6 LA8OKA, F7 Rpt Exch, F8 Agn?, F9 Zone, F10 Spare, F11 Spare, F12 Wipe, Esc: Stop, Wipe, Log It, Edit, Mark, Store, Spot It, and QRZ. Below the function buttons is a status line: 'Grid Hdg JP50 7° Rev = 187 54 km'. Below the status line is a blue text line: 'Call history UserText appears here when enabled.'. At the bottom left is 'LA: EU/NORWAY, Zn 14' and at the bottom right is 'No Score' and '0'.

PH	Snt	SntNR	Rcv	RcvNR	Grid
LA1ABC	59	1	59	001	JP50

Motstasjonens
kallesignal

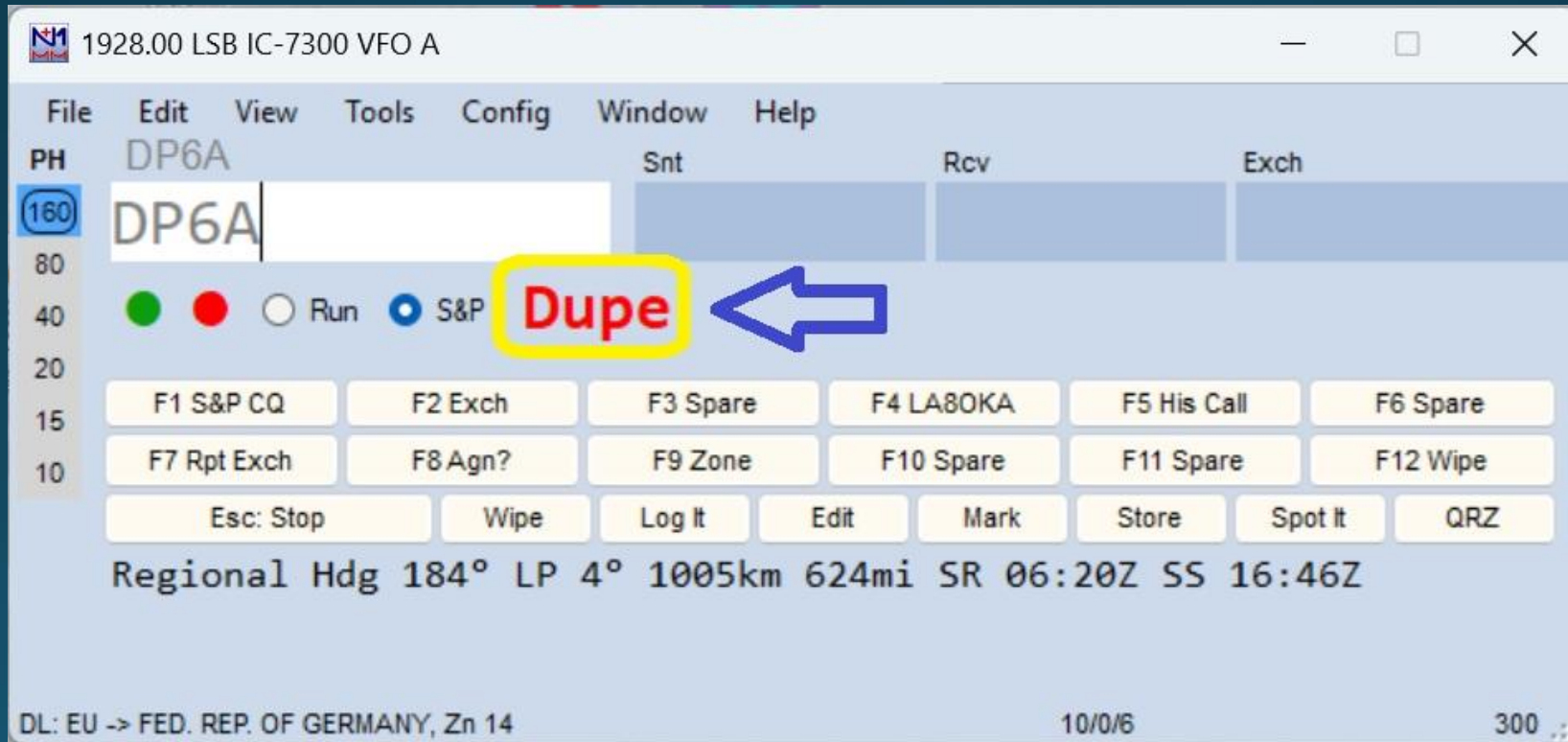
Ditt serienummer

Motstasjonens
serienummer

Motstasjonens
lokator

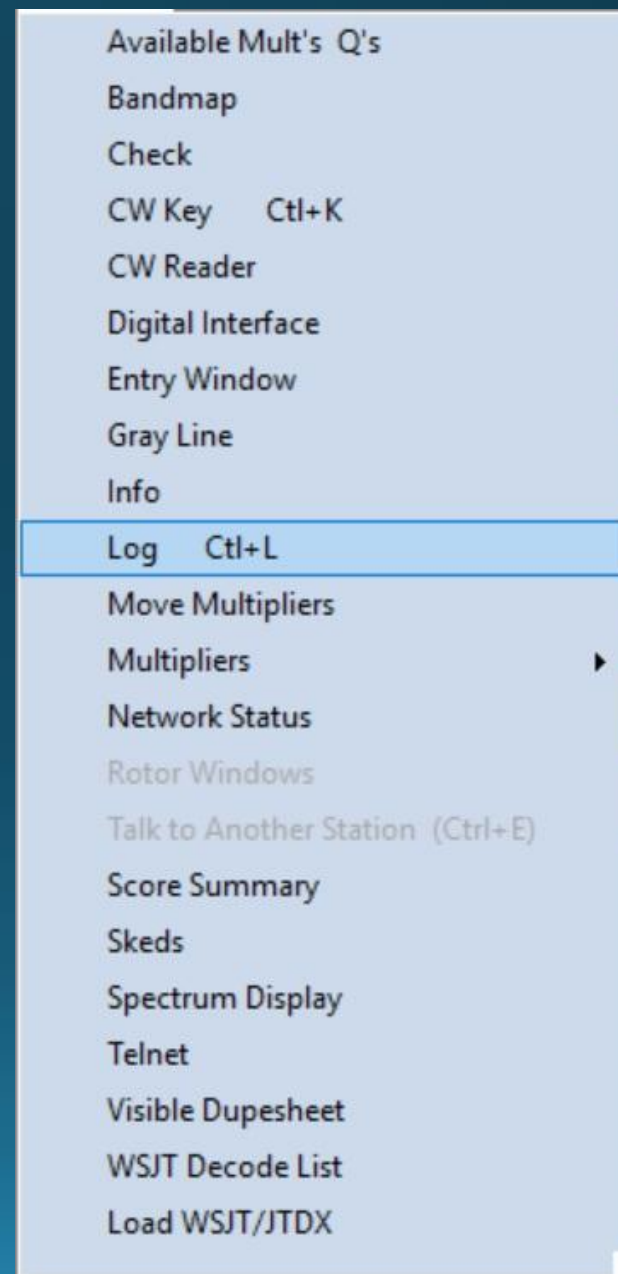
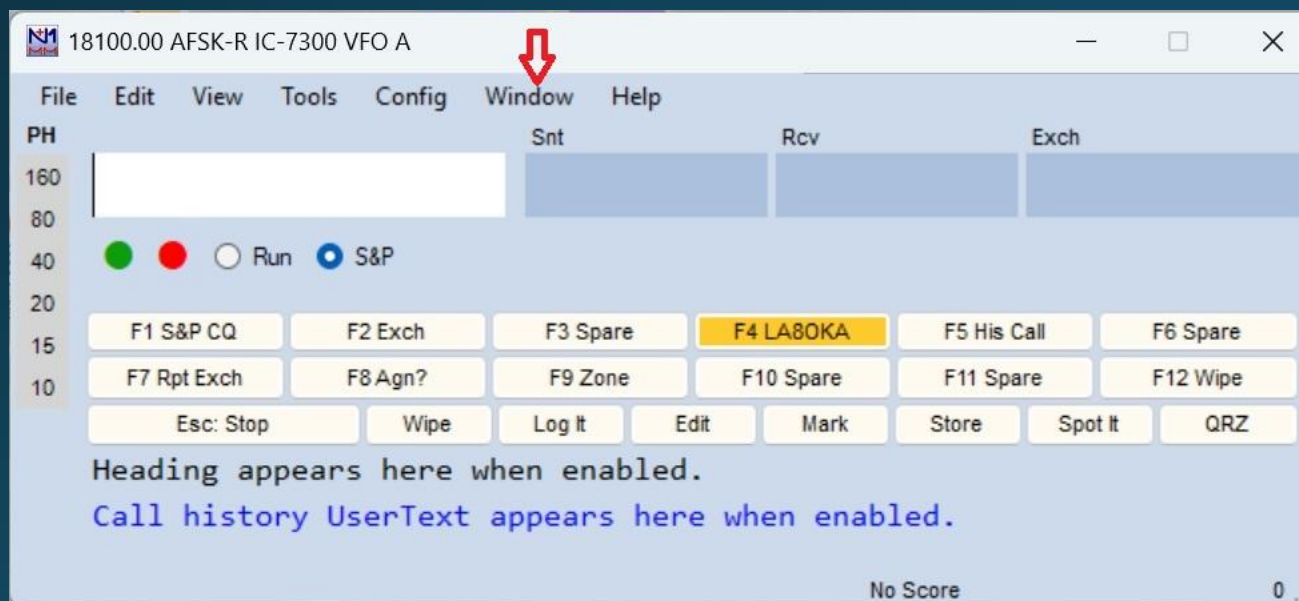
Duplikat

- 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.



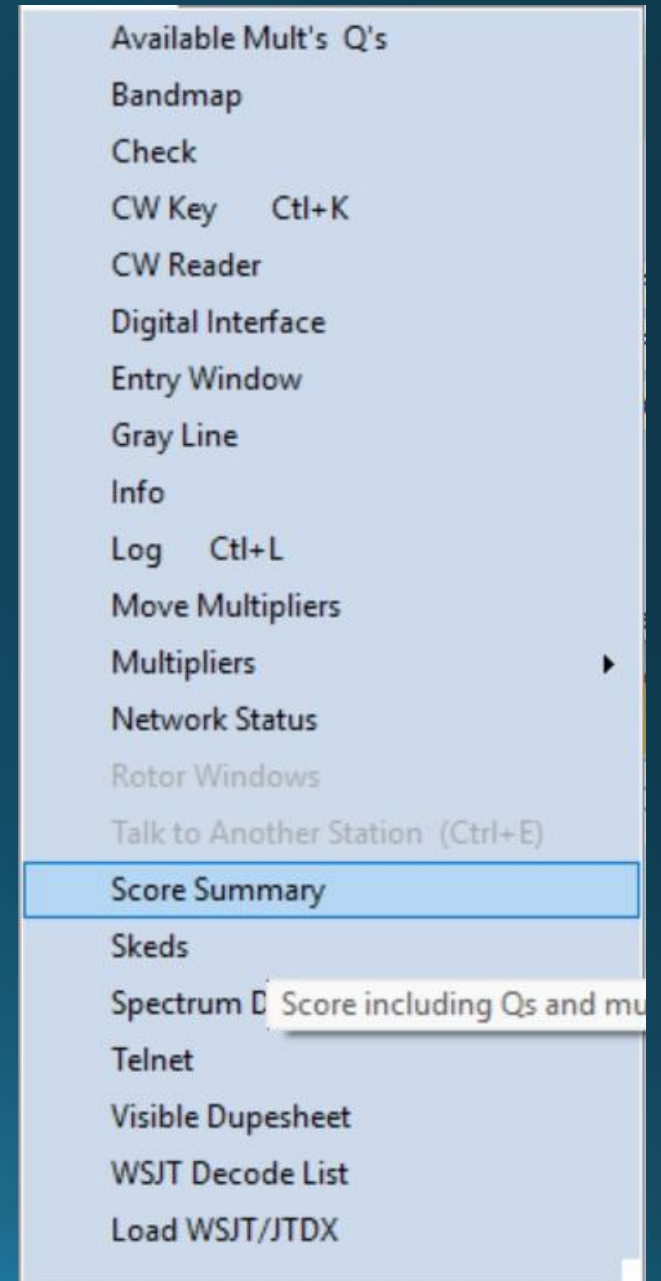
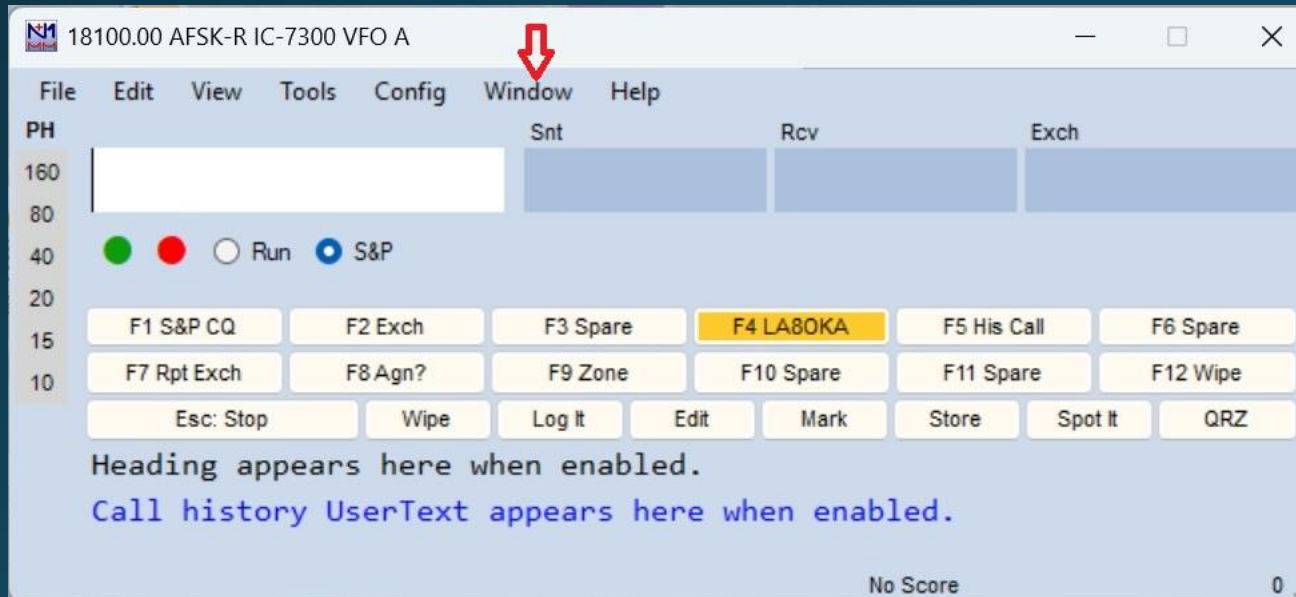
Loggvindu

- Her kan man sjekke at man har logget stasjonen.



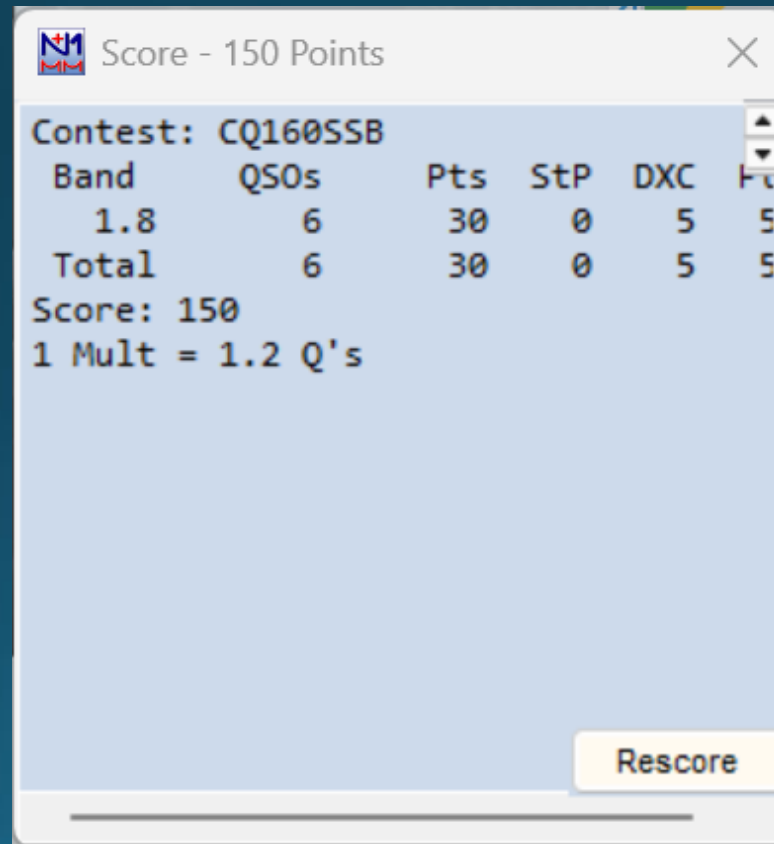
DD-MM HH:MM	▲ Call	Freq	Snt	Rcv	Exch	M1	F
21-02 22.04	LY4A	1850.00	59	59	15		LY
21-02 22.08	LX1NO	1853.04	59	59	14		LX
21-02 22.12	SP8R	1869.00	59	59	15		SP
21-02 22.13	OK1W	1874.00	59	59	15		OK
21-02 22.14	SQ9Y	1879.00	59	59	15		SP
21-02 22.14	SQ9Y	1879.00	59	59	15		SP

Åpne scorevinduet



Scorevinduet

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



Score - 150 Points

Contest: CQ160SSB

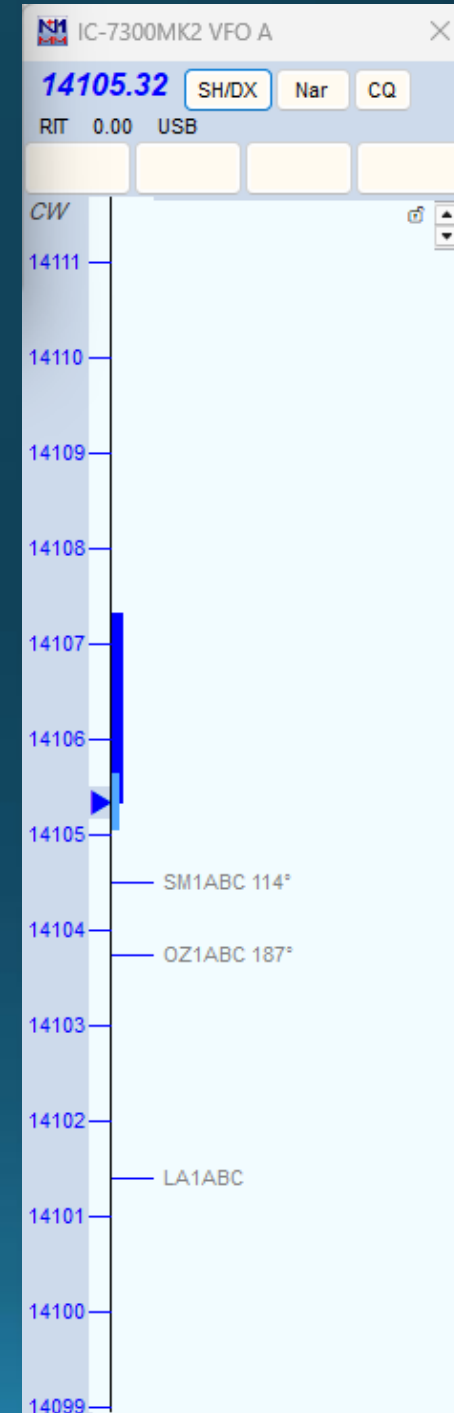
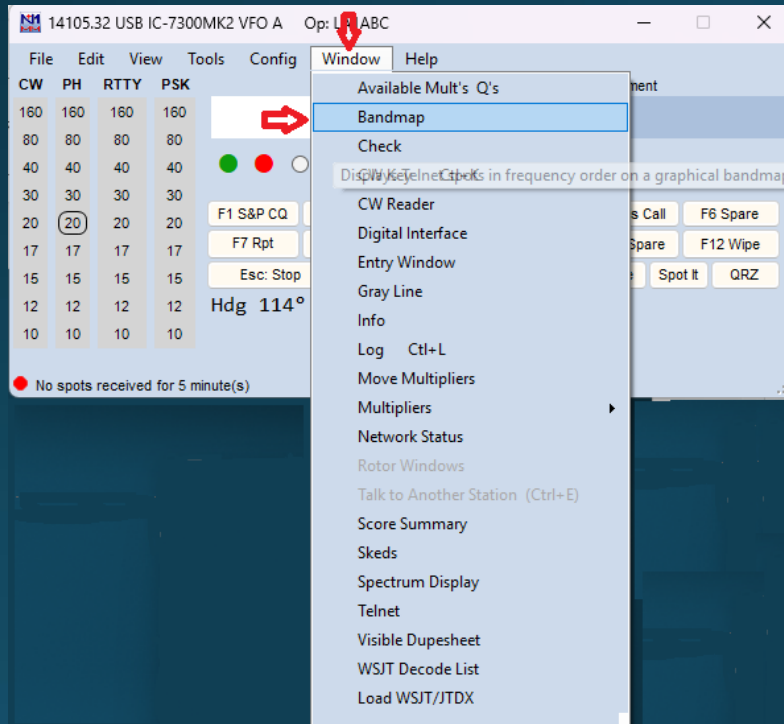
Band	QSOs	Pts	StP	DXC	F
1.8	6	30	0	5	5
Total	6	30	0	5	5

Score: 150
1 Mult = 1.2 Q's

Rescore

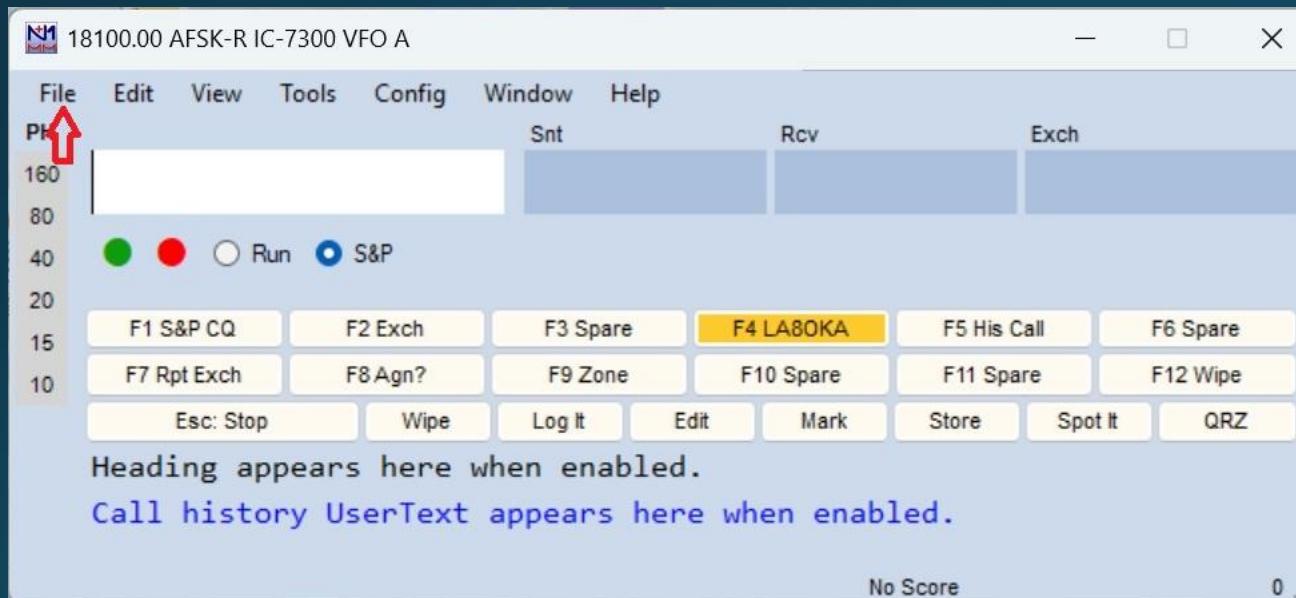
Se bandmap

- På bandmap vises spottene.
- Spotter er stasjonene du har skrevet inn i loggvinduet den siste tiden.
- Bandmap kan også vise spotter fra DX Cluster.



Lage cabrillo-fil.

- I alle contestes 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
```

LA8OKA Martin Storli