

N1MM Contest Logger

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Current State

- * Highly evolved application (SO, SO2V, SO2R, MO, MM)
- * Multi-Op network (16 Stations) (NIC-TCP/IP)
- * All Digital modes
- * K1EL WinKey Support
- * DVK Support
- * Runs on Win 95/98/ME/NT/2000/XP/Vista
- * All major US, DX contests; All QSO Parties
- * Continuous improvement
- * Excellent Support

N1MM Advanced Features

- ✓ Ease of use/setup
- ✓ Spot all QSOs locally
- ✓ Winkey for perfect CW
- ✓ Focus always on Entry Window
- ✓ Check Partial N + 1
- ✓ Antenna Rotor Control
- ✓ SOA, SO2R, Multi-Multi
- ✓ Powerful Bandmaps
- ✓ Available Window (Mults, Qs)
- ✓ Built-in QSO recording
- ✓ "ESM" Mode (S&P and Run)
- ✓ Everything accessible from Windows menus
- ✓ Can save layout configurations
- ✓ Intuitive design
- ✓ All functions via keyboard (and mouse)

Configurer

The screenshot shows the 'Configurer' window with the 'Hardware' tab selected. The window has a blue title bar and a standard Windows-style interface. The 'Hardware' tab is active, showing a table of ports and their configurations. The 'Radio' column has dropdown menus for 'Kenwood' and 'None'. The 'Digital' column has checkboxes for 'Packet' and 'CW/PTT'. The 'Details' column has 'Set' buttons. The 'Digital Modes' section on the right has radio buttons for 'SO1V', 'SO2V' (selected), and 'SO2R'. Below this, there are text labels for various settings like '4800,N,8,2,DTR=Always', 'DTR=CW,RTS=PTTtx=1', 'HandshakeTx=1', 'DTR=Always On,RTS=Always', and 'Pin17=CW,Pin16=PTTtx=1'. At the bottom, there is a 'Telnet Cluster' dropdown set to 'PI4CC' and an 'Edit' button. The 'OK', 'Cancel', and 'Help' buttons are at the very bottom.

Port	Radio	Digital	Packet	CW/PTT	Details
Com1	Kenwood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Set
Com2	None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Set
Com3	None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Set
Com4	None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Set
Com5	None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Set
Com6	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Set
Com7	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Set
Com8	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Set
LPT1				<input checked="" type="checkbox"/>	Set
LPT2				<input type="checkbox"/>	Set
LPT3				<input type="checkbox"/>	Set

Digital Modes: ☐ SO1V ☒ SO2V ☐ SO2R

4800,N,8,2,DTR=Always
4800,N,8,2,DTR=Always
DTR=CW,RTS=PTTtx=1
HandshakeTx=1
DTR=Always On,RTS=Always
Pin17=CW,Pin16=PTTtx=1

Telnet Cluster: PI4CC [Edit]

OK Cancel Help

**Intuitive
interface for
configuration
s & settings**

Typical Laptop Layout

FT-1000MP VFO A

14048.81 SH/DX Wide

-0.01 RIT XIT CW

Bandmap Window

5/9/2008 07:56:24Z NEWE QSO Party - New.MDB

TS	Call	Freq	SNT	RCV	Mode	Exch	Mult	Points	Prefix
5/4/2008 21:24:48	W1UJ	14043.34	599	599	CW	WOR	No	2	K
5/4/2008 21:26:08	K1TTT	14034.08	599	599	CW	BER	No	2	K
5/4/2008 21:43:40	W1STT	14247.54	59	59	USB	HIL	No	1	K
5/4/2008 21:46:47	KA1R	14265.37	59	59	USB	PLY	Yes	1	K
5/4/2008 21:54:21	W1UK	14042.50	599	599	CW	TOL	No	2	K

Log Window

N1MM Grayline

Grayline Window

Multipliers - County/Other - 27 of 57

ADD	ESM	LAM	PLY	WNH
AND	ESV	LIN	PRO	WOR
ARO	FAI	LIT	ROC	YOR
BAR	FRA	MER	RUT	
BEL	FRE	MIC	SAG	
BEN	FRV	MIM	SOM	
BER	GRN	NAN	STR	
BRM	GRV	NEW	SUF	
BRR	HAN	NHV	SUL	
CAL	HAR	NLN	TOL	
CAR	HIL	NOR	WAL	
CHE	HMD	ORA	WAM	
CHI	HMP	ORL	WAR	
COO	KEN	OXF	WAV	
CUM	KNO	PEN	WIN	
DUK	KNT	PIS	WND	

Mults Window

Info - K6MM - Exch: 599 CA

Info Window

Rates - Q's/hour

Last 10 Q's	Last 100 Q's	Since 06:55	Since 07:00	Last 60 min
0	0	0	0	56

K6MM

Score - 2,295 Points

Band	Mode	QSOs	Pts	Sec
14	CW	31	62	17
14	USB	23	23	10
Total	Both	54	85	27

Score Summary Window

Check - Q: 160 80 40 20 15 10

KN6RO KN6RO/4 N6RO

N6ROB

Check Partial Window

14048.81 CW FT-1000MP VFO A

Main Entry Window

File Edit View Tools Config Window Help

Snt Rcv Exch

N6RO

Wipe Log It Edit Mark Store Spot It Buck

Esc: Stop	F1 CQ	F2 EXCH	F3 TU	F4 MYCALL
Running	F5 HIS CALL	F6 QSO B4	F7 73	F8 AGAIN?
30	F9 CA	F10 TU	F11 #	F12

Bearing = 130°, 196 mi, 315 km, LP = 310°

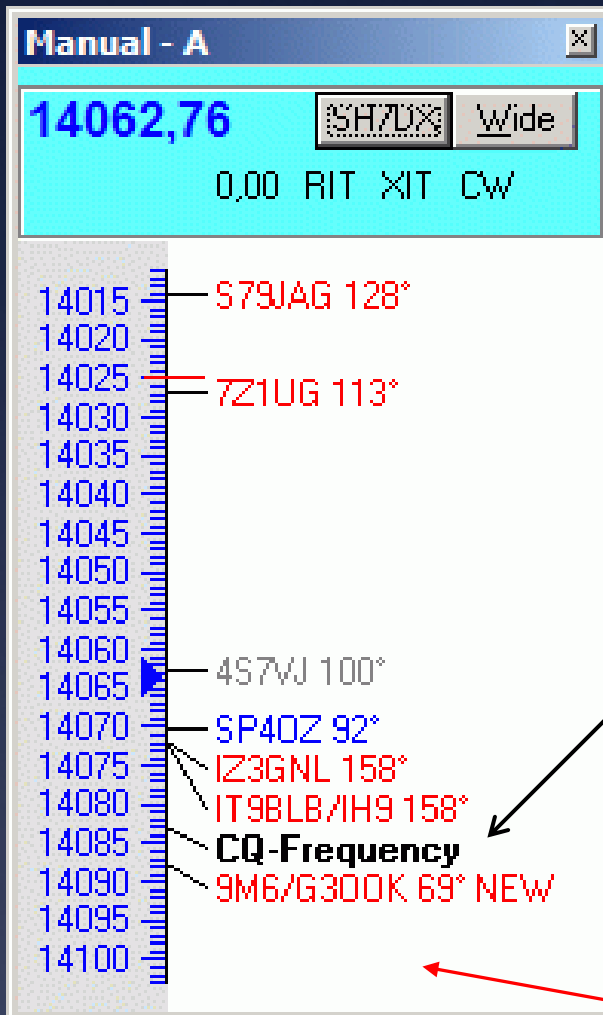
K - United States, Zone 3, NA

Available - 0 Mults 0 Qs

Mults	Qs
0	160
0	80
0	40
0	20
0	15
0	10

Available Mults Window

Bandmap



- Dual Bandmaps: VFO A/B, Radio 1/2
- Frequency readout
- Mode & RIT setting
- Zoom in/out (keyboard, mouse wheel)
- Remove spots
- Transceiver Offset (for VHF)
- Marks CQ Frequency

Transceiver Offset

Enter transceiver offset frequency in kHz

OK

Cancel

0

- *Hover-mouse to:*
- Get frequency sent by spotter.
- Find callsign of spotter
- Get time since station spotted
- Look at comments by spotter

Multiplier Map Examples

Multipliers - EU - 291 of 432

AF	AS	EU	NA	OC	SA	All
1A	EI	GW	LX	PA	TA1	
3A	ER	HA	LY	R1FJ	TF	
4U1I	ES	HB	LZ	R1MV	TK	
4U1V	EU	HB0	OE	S5	UA	
9A	F	HV	OH	SM	UA2	
9H	G	I	OH0	SP	UR	
C3	GD	IS	OJ0	SV	YL	
CT	GI	IT9	OK	SV/a	YO	
CU	GJ	JW	OM	SV5	YU	
DL	GM	JW/b	ON	SV9	Z3	
EA	GM/s	JX	OY	T7	ZA	
EA6	GU	LA	OZ	T9	ZB	

☒ Country ☐ ZN ☐ Sect ☐ Other

Countries
Worked

Multipliers - CQ Zones - 158 of 240

1	6	11	16	21	26	31	36
2	7	12	17	22	27	32	37
3	8	13	18	23	28	33	38
4	9	14	19	24	29	34	39
5	10	15	20	25	30	35	40

☐ Country ☒ ZN ☐ Sect ☐ Other

Zones
Worked

Info Window

Cool Rate & band change info

Import last year's results to see how you are doing (rate background color based on % of goals)

Settable information

- ✓ Callframe Spot
- CountryInfo
- ✓ Sunrise/Sunset
- ✓ Messages
- ✓ WWW Messages
- ✓ Rates Section

Info - PA9KT - Exch: 59 5914

TK4Z - 7083.6 [dl8obf @ -20 min] - lonely calling CQ

TK - Corsica, Zone 15, EU, Bearing = 169°, 723 mi, 1163 km, LP = 349°

Sunrise: 05:50Z Sunset: 16:25Z

WCY de dk0wcy-3 <22> : K=4 expK=2 A=22 R=143 SFI=158 SA=act GMF=act Au=no

Rates - Q's/hour

Last	Last	Since	Since
10	100	21:25	22:00
26	44	45	12

PA3CEF

Import Goals

Goal = 89

Band Chgs

1

Station	Pass	Run	Operator	Last 10	100
TS850		<input type="checkbox"/>	PA3CEF	26	44
FT1000	3687.2	<input checked="" type="checkbox"/>	PA3CEE	26	44

19:53:38 - Resync complete, str: 1

Network Information

Entry Window

3507.98 CW FT-1000MP

File Edit View Tools Config Window Help

CQ-Frequency

XU7ABR

Snt 599 Rcv 599 Zone 26

Wipe Log It Edit Mark Store Spot It Buck

Esc: Stop F1 CQ F2 EXCH F3 TU F4 MY CALL

F5 his call F6 B4 F7 REPEAT F8 ?

☒ Running 26

Bearing = 357°, 8910 mi, 14339 km, LP = 177°

XU - Kampuchea, Zone 26, AS 837/80/241 777141

Run Mode

*Always know what state
you are in
(buttons change show next state)*

- “Enter-Sends-Message” (ESM)
 - Saves Keystrokes
 - Both Run and S&P Mode
- Free flow entry for SS (only)

S&P Mode

3507.98 CW FT-1000MP

File Edit View Tools Config Window Help

CQ-Frequency

XU7ABR

Snt 599 Rcv 599 Zone 26

Wipe Log It Edit Mark Store Spot It Buck

Esc: Stop F1 CQ F2 EXCH F3 NR F4 MY CALL

F5 his call F6 NAME F7 STATE F8 ?

☐ Running 26

Bearing = 357°, 8910 mi, 14339 km, LP = 177°

XU - Kampuchea, Zone 26, AS 837/80/241 777141

Available - 10 Mults 20 Qs				
Mults		Qs		
2	160	2		
0	80	0		
2	40	3		
4	20	11		
0	15	0		
2	10	4		

Call	Freq	Dir	Mode	TS
DH3OJ/P	14258,9	046°	USB	08-02 1112
RW4LYL/6/M	14175,5	067°	USB	08-02 1112
RZ9HW/0	14181,0	055°	USB	08-02 1112
GB100J	14303,0	262°	USB	08-02 1108
RA4LBS	14175,5	067°	USB	08-02 1103
LY2PX	14166,0	072°	USB	08-02 1102
RZ9HW/0	14181,0	055°	USB	08-02 1056
RZ9YW/0	14181,0	055°	USB	08-02 1056
DQ50SAAR	14018,1	119°	CW	08-02 1112
OK0EG/B	28282,0	111°	CW	08-02 1112
FW0MO	1821,0	005°	CW	08-02 1111
CO6RJ	7071,2	284°	CW	08-02 1111
HS0ZBS	14070,0	079°	CW	08-02 1110
8J1A/1	7014,8	037°	CW	08-02 1110
DK0TEN	28257,0	119°	CW	08-02 1110
7L1YII	14071,6	037°	CW	08-02 1109
ZL1KMN	1819,1	033°	CW	08-02 1109
DLOIGI/B	28205,0	119°	CW	08-02 1108
I1M/B	28180,0	156°	CW	08-02 1107
UA0IT	7036,5	055°	CW	08-02 1100

Available Window (Mults & Qs)

*Combination of the
following windows:*

- Check Country
- Check Call
- Band buttons change color for needed Mult/QSO
- Needed Mults/QSOs per band (good for S&P, or monitoring band activity/opening)
- Recent Packet Spots

N1NOX's RTTY Setup

The screenshot displays the N1NOX RTTY Setup software interface, which is divided into several functional windows:

- Top Left:** A window titled "7/28/2005 01:13:02 Tara Grid Dip - ham.mdb" showing a table with columns for TS, Call, Freq, Mode, Name, Grid, and Points.
- Top Right:** A window titled "1407.19 D11 RTTY Mode - MMTTY/PSK" showing a large black area with the text "AVZBKURCMQ" in yellow.
- Middle Left:** A window titled "IC-718 VFO A" showing a frequency display at "14075.19" and a "SH/DX Wide" button. Below it is a "RTTY" section with a frequency scale from 14030 to 14120.
- Middle Center:** A window titled "14075.19 RTTY IC-718 VFO A" containing a control panel with buttons for "Wipe", "Log It", "Edit", "Mark", "Store", "Spot It", "Buck", and "Esc: Stop". It also includes a "Running" checkbox and a "CW Speed = 32" setting.
- Middle Right:** A window titled "RTTY Engine 1" showing a control panel with settings for "FIG", "UCS", "TX", and "TXOFF". It includes a "Mark" dropdown set to "2125 Hz" and a "Type" dropdown set to "HAM".
- Bottom Left:** A window titled "N1MM Grayline" showing a world map with a yellow dot indicating a location.
- Bottom Center:** A window titled "Telnet Window - Disconnected from:" showing a text area with the message "To connect to Telnet, type your call and press enter, or press the button with your call on it below."
- Bottom Right:** A status bar showing various indicators including "BVE", "CONN", "DI/N", "SH/DX", "USERS", "WVW", "10M", "15M", "20M", "40M", "80M", and "N1NOX".

W3PP's Multi-Multi Setup

14195.90

SH/DX Wide

0.00 RIT XIT USB

14120

14125

14130

14135

14140

14145

14150

14155

14160

14165

14170

14175

14180

14185

14190

14195

14200

14205

14210

14215

14220

14225

14230

14235

14240

14245

14250

14255

14260

14265

PI4TIL 48°

OE50SEO 49°

OE5SEO 49°

EI8CE 49°

RV3NA 34°

YT1BB 50°

ER4DX 45°

7/25/2005 20:59:15Z CQ WW SSB - test.mdb

TS	Call	Freq	SNT	RCV	Prefix	Operator
7/25/2005 19:54:20	BA4A	14278.16	59	59	BY	W3PP
7/25/2005 19:56:58	JA1DXF	14278.16	59	59	JA	W3PP
7/25/2005 19:57:33	E21CJN	14278.16	59	59	HS	W3PP
7/25/2005 19:58:04	HS0ZAA	14277.00	59	59	HS	W3PP
7/25/2005 19:59:24	ER4DX	14210.00	59	59	ER	W3PP
7/25/2005 20:06:22	YT1BB	14209.96	59	59	YU	W3PP
7/25/2005 20:30:20	G3PPG	3813.10	59	59	G	W3PP
7/25/2005 20:32:37	G8G	21221.73	59	59	G	W3PP
7/25/2005 20:33:03	F5AO	7214.38	59	59	F	W3PP

Available

Mults	Qs
0	160
0	80
0	40
5	20
0	15
0	10

FT-1000MP VFO B

14278.16

SH/DX Wide

USB

14245

14250

14255

14260

14265

14270

14275

14280

14285

14290

14295

14300

HS0ZAA 5°

E21CJN 5°

JA1DXF 332°

HA8RM 48°

14195.90 USB FT-1000MP VFO A

File Edit View Tools Config Window Help

Snt

Rcv

Zone

G3PPG

59

59

14

Wipe

Log It

Edit

Mark

Store

Spot It

Buck

Esc: Stop

F1 Run CQ

F2 Exch

F3 Thanks

F4 W3PP

Running

F5 His Call

F6 Dupe

F7 QRZ

F8 Again

Bearing = 50°, 3618 mi, 5822 km, LP = 230°

Zn: 160 10

Mul: 40

Q: 80 20 15

35/24/25

4,116

Check - Zn: 160 10

Mul: 40

Q: 80 20 15

G3PPG

Info - W3PP - Exch: 59 5

G - England, Zone 14, EU, Bearing = 50°, 3618 mi, 5822 km, LP = 230°

Rates - 1 mult = 0.7 Q's

Last	Last	Since	Since
10	100	19:33	20:00
14	13	10	2

Band Chgs

Import Goals

Goal = 0

10 min band timer

Station	Pass	Run	Last 10	100	Current Freq	Op/Message
Master	Not Set		0	0	14200.00	W3PP
15	Not Set		60	60	21221.73	W3PP
20	Not Set		14	13	14195.90	W3PP
40/10	Not Set		60	60	7214.38	W3PP
80	Not Set		22	22	3813.10	W3PP
160	Not Set		0	0	1849.33	W3PP

19:50:22 - 40/10 (10.1.1.40) Connected. Req #800 on port 12072 from remote port 13689

19:52:23 [Master] Keep the rate up!

Telnet Window - Disconnected from:

Packet Telnet Type: AB5K Close Port

DX de WB4IUY: 14086.9 SP3IQ rttt 2051Z

DX de WC2C: 14086.0 DP9N New Prefix. RTTY 2046Z

DX de WB4IUY: 14084.9 I5HLK rttt 2058Z

DX de W4UEF: 14088.5 ES0IC RTTY 2056Z

Score - 4,116 Points

Band	QSOs	Pts	Cty	ZN
1.8	1	2	1	1
3.5	2	5	2	2
7	2	5	2	2
14	24	61	15	15
21	2	5	2	2
28	4	6	2	3
Total	35	84	24	25

Score: 4,116

Start

14195.90 USB FT-1...

Document - WordPad

Local Disk (C:)

20:59 PM

Morse Runner + N1MM = Cool!

Logging Morse Runner with N1MM

The screenshot displays two software windows. The top window, 'Morse Runner', shows a list of call signs on the left and a frequency display on the right showing 'ac7fa.net'. The bottom window, 'N1MM', is a logging interface with various controls and displays.

Morse Runner Call Sign List:

DK1AA	DK1AC	DK1AQ
DK1AUP	DK1AW	DK1BC
DK1BN	DK1BX	DK1CL
DK1CY	DK1DA	DK1EAM/P
DK1EEB	DK1EI	DK1FB
DK1FQ	DK1FW	DK1GM
DK1HO	DK1II	DK1IO
DK1JU	DK1KC	DK1KF

N1MM Interface Details:

- File Edit View Tools Config Window Help**
- CQ-Frequency:** Snd, Rcv, Snd NR, Rcv NR. Input: **DK1**, NR: **1**
- Buttons:** W/pe, Log It, Edit, Mark, Store, Spot It, Buck
- Esc: Stop** | **F1 CQ** | **F2 R** | **F3 TU** | **F4 AC7FA**
- Running** | **F5 Call** | **F6 QSO B4** | **F7 ?** | **F8 Agn**
- 45** | Bearing = 321°, 4549 mi, 7321 km, LP = 141°
- DL - Fed. Rep. of Germany, Zone 14** | **0/0** | **0**
- Station:** Call: **AC7FA** | ☐ QSK
- Cw Speed:** **35** wPM
- Cw Pitch:** **650 Hz**
- FO Bandwidth:** **350 Hz**
- Mon. Level:** **1**
- Band Conditions:**
 - ☒ QFN ☒ Flutter ☐ Activity
 - ☒ QPM ☒ LID's **4**
 - ☒ QSB
- Run** | **for** **10** min
- Call:** **DK1** | **RST:** | **Nr:**
- File-Op: 2** | **0 qso/hr**
- 00:00:13**
- Raw** | **Verified**
- Pts:** 0 | 0
- Mult:** 0 | 0
- Score:** 0 | 0
- Controls:** Play, Stop, Volume, Mute, Speaker

What type of user is this logger best suited for?

- Someone wanting to upgrade from a DOS-based program to Windows-based
- A Beginning User wanting to “upgrade” with more features
- SO1V moving up to SO2R capability
- Stations needing Multi-Multi capability

What three things distinguish this logger from others?

1. Advanced Features

- Enter-Sends-Message (ESM)
 - Saves keystrokes
 - Works for both Run and S&P modes
- Free Flow Entry (SS Exchange)
- Check Partial $N + 1$

2. Creative user interface

3. Truly excellent support

What are the three most significant shortfalls of this logger?

- Just because a feature is listed, doesn't mean it is completely refined (but most are)
- Canned CW or voice message lists must be manually stored and recalled for each contest
- Handling of multiplier lists for different contests sometimes awkward

My Top 10 Reasons For Switching To N1MM Logger

- ① Us "MMs" Have To Stick Together 😊
- ② Powerful Bandmaps
- ③ All Major US, DX Contests + State QSO Parties
- ④ Available Mults Window
- ⑤ Post-Contest Statistics
- ⑥ Common Databases – EZ to switch between 2 contests
- ⑦ Creative User Interface
- ⑧ "Enter-Sends-Message (ESM) Mode, both Run and S&P
- ⑨ Check Partial (N + 1)
- ⑩ Amazing Support

N1MM Free Contest Logger

- It may be FREE, but it is a *serious* piece of contest software
- www.n1mm.com