

Key Assignments

The keys below work from all main windows

General Key Assignments

- **Space** – The spacebar will jump from field to field filling in defaults like the callsign from the frame, 59/599, and information from previous contacts with this station. **SPACE IS THE PREFERRED TAB CHARACTER.**
- **Tab** – Jump to the next entry field in the Entry Window.
- **Shift+Tab** – Jump to the previous entry field in the Entry Window.
- **Alt+H** – Show this help file. Note that pressing Alt+H in any window will show the help specific to that window.
- **Ctrl+Tab** – Toggle between the Entry window and the Packet window.
- **Alt+F9** – toggle through all the antennas **for that band**. The selected antenna will show in the status pane.
- **Alt+F4** – Quit the program. If two Entry windows (SO2R) the program will not exit. You are being asked if you are sure.

Active Radio/Bandmap Control Key Assignments

Jump to Spots *Note: If you are operating single mode, your mode won't change when jumping between spots.*

- **Ctrl+Down Arrow** – Get next spot higher in frequency.
- **Ctrl+Up Arrow** – Get next spot lower in frequency.
- **Alt+Ctrl+Down Arrow** – Get next spot higher in frequency that is a *multiplier*.
- **Alt+Ctrl+Up Arrow** – Get next spot lower in frequency that is a *multiplier*.

Jump to CQ Frequencies

- **Alt+Q** – Jumps to the last CQ frequency on this band (active bandmap) and will clear all textboxes in the Entry Window.
- **Alt+Shift+Q** – Jumps to the last CQ frequency on other band (non-active bandmap).
- **Alt+Ctrl+Q** – Jumps to your last used CQ frequency on *any* band and tune active bandmap to that frequency.
- **Alt+Shift+Up Arrow** – Get next spot lower in frequency that is *self-spotted*.
- **Alt+Shift+Down Arrow** – Get next spot higher in frequency that is *self-spotted*.

Tune the Radio

- **Ctrl+Page Up** – Go up one band. WARC bands are being skipped while logging for a contest.
- **Ctrl+Page Down** – Go down one band. WARC bands are being skipped while logging for a contest.
- **Up Arrow** – Tune radio down 100 Hz on SSB, 20 Hz on CW (adjustable in the configurer).
 - ◆ FT-1000MP, FT-890, FT-920, FT-990 and FT-1000 and all Kenwood radios
 - ◇ In S&P – pressing the up/down arrows will turn off RIT and tune your main VFO.
 - ◇ In Running mode – it will turn on your RIT and tune the RIT.
- **Down Arrow** – Tune radio up 100 Hz on SSB, 20 Hz on CW (adjustable).
 - ◆ See Up Arrow information above
- **Alt+F7** – Set split frequency or offset from current frequency for the active radio. When hitting Enter or click OK with nothing on the line split will be cleared. Press ESC or click Cancel to exit. More information about working split can be found in the [Basic Functions](#) chapter.
- **Ctrl+Enter** – Entering a frequency or offset in the callsign field and entered with Ctrl+Enter will set a split frequency.
- **Alt+S** – When your rig is in the split mode, Alt+S will reset the RX frequency back to your transmit frequency, but the split mode is preserved. "Reset RX frequency when running split" is associated with Alt+S. When invoked, the program will automatically do an Alt+S as you log each QSO. Operates on VFO-A only!

- **Ctrl+S** – Set radio to split operation, if not in split mode already.
- **Ctrl-Alt-S** – Toggle Split mode on the radio. 'Split' will be shown in the Entry window.
- **Alt+F5 and Alt+F6** – Swap radio frequency and mode between VFOs (one radio)/radios (two radios).
- **Alt+F8** – Jump to your last frequency.
- **Alt+' (Alt+singlequote)** – toggle between the wide and narrow filter for the selected mode (SSB, CW and Digi modes).

Change Keyboard & Radio Focus

- **Ctrl+Left arrow** – Move both TX and RX/Keyboard focus to VFO A or in SO2R to left radio
- **Ctrl+Right arrow** – Move both TX and RX/Keyboard focus to VFO B or in SO2R to right radio
- **Alt+F10** – Swap between VFOs when using one radio (VFO A–B). On Icom 756 and 7800 toggle between Main and Sub frequencies.
 - ◆ Command is disabled during SO2R for Icom radios that lack a swap VFO CAT command. This is because the program is unaware of Icom VFO B frequency in SO2R mode.
- **Pause** – Swap radios and match keyboard to radio.
- **Backslash (\)** – Move RX focus and launches a second Entry Window if only one Entry window is open (not supported for SO1V).
 - ◆ **SO2V – One radio – 2 VFOs** – Moves RX focus between the 2 VFOs on the radio.
 - ◆ **SO2R – Two radios** – Moves RX focus between the 2 radios.

Other Nifty Tricks

- **Mouse wheel** – Zoom in or out the bandmap which has KEYBOARD focus.
- **Numeric keypad + (plus)** – Zoom in the bandmap which has KEYBOARD focus to show fewer stations (less bandwidth).
- **Numeric keypad – (minus)** – Zoom out the bandmap which has KEYBOARD focus to show more stations (more bandwidth).
- **Ctrl+T** – Turn on the radio and send continuous CW (tune). Ctrl+T again or the Escape key ends the transmission.
- **Alt+F11** – Toggle the setting of the run box. Toggle to go into S&P or stay in Run mode when the frequency is changed (DXpedition mode).
- **Alt+F12** – Most radios. use this command to copy frequency and mode to other radio/VFO.
 - ◆ A few radios use Alt+F12 for specific features and then mostly swaps MAIN and SUB using the CAT radio command
 - ◆ **FT-1000MP + FT1000D + Icom IC-756 series, IC-781 ,IC-775 and IC-7800 only**
 - ◇ Dual Receive toggle. NB. Only turn Dual Receive on/off from the keyboard so it stays in sync with the program.
 - ◆ **TenTec Orion**
 - ◇ Toggle between Main/left Sub/Right and Active in both ears.
- **` (backquote)** – Toggle Stereo/Mono (LPT pin 5)
 - ◆ Back-quote can be found on US keyboard left from 1 below tilde ~
- **= (equal key)** – Will send the last message key (F1–F12) again.

Non-Active Radio/Bandmap Control Key Assignments

Jump to Spots

- **Ctrl+Shift+Down Arrow** – Get next spot higher in frequency.
- **Ctrl+Shift+Up Arrow** – Get next spot lower in frequency.
- **Alt+Shift+Ctrl+Down Arrow** – Get next spot higher in frequency that is a *multiplier*. If you are operating single mode, your mode won't change when jumping between spots.
- **Alt+Shift+Ctrl+Up Arrow** – Get next spot lower in frequency that is a *multiplier*. If you are operating single mode, your mode won't change when jumping between spots.
- **Alt+Shift+Q** – Jumps to your last CQ frequency on the inactive VFO/radio.

Tune the Radio

- **Ctrl+Shift+Page Up** – Go up one band.
- **Ctrl+Shift+Page Down** – Go down one band.

- **Shift + Numeric keypad + (plus)** – Zoom in the inactive bandmap which not has KEYBOARD focus to show fewer stations (less bandwidth).
- **Shift + Numeric keypad – (minus)** – Zoom out the inactive bandmap which not has KEYBOARD focus to show more stations (more bandwidth).

Logging Key Assignments

- **Enter**
 - ◆ Log contact, when 'Enter sends message' is *off* in config menu.
 - ◆ Sends message when 'Enter sends message' is *on* in config menu. The send messages depend on the field values i.e. in which field the cursor is in the Entry Window. Check the highlighted keys.
- **Space** – Preferred TAB character .
 - ◆ Jumps from callsign to Exchange field or vice versa.
 - ◆ Other fields' default values will be filled in
 - ◆ If there is a call on the callsign frame and if the callsign field is empty, the call from the frame will be placed in the callsign textbox.
- **Alt+Enter** – Send End of Contact message key and log the contact. In ESM it just logs the contact (nothing sent).
- **Insert** or **;** – Sends His Call key followed by the Exchange key.
- **'** – Send TU message and enter in log .
- **Alt+W** or **Ctrl+W** (Alt+W = Ctrl+W)
 - ◆ Wipe Out Entry Fields, clear information about the current contact his window.
 - ◆ Serial number contests: Release a reserved serial number after it has been reserved.
- **Ctrl+Shift+W** – Wipe out other window's contact information.
- **Alt+Ctrl+Enter** – Log a not accepted 'invalid' qso (invalid exchange etc.). It will prompt for a comment. Use 'View | Notes' to correct later.
 - ◆ When no comment is entered "Forced QSO" will be added to the comment field.
- **Ctrl+Y** – Edit last contact.
- **Ctrl+D** – Delete the last contact.
- **Alt+O** – Store contact in the bandmap.
- **Alt+M** – Mark this frequency in the bandmap as being in use.
- **Alt+D** – Removes the spot from the bandmap which is on the callsign frame or in the callsign field in the Entry window when S&P or CQ–frequency when Running.
- **Alt+P** – Spot the contact on the current Packet/Telnet connection.
- **Ctrl+F** – Find the callsign entered in the callsign field in the log. Pressing Ctrl+F again will find the next instance.
- **Ctrl+M** – Enable/disable 'Enter sends message' mode.
- **Ctrl+N** – Add a note/comment to your last or current contact.
- **Ctrl+Q** – Quick Edit mode, go back one qso in the log. Enter logs and Escape discards the changes made. No content checking!
- **Ctrl+A** – Quick Edit mode, go forward one qso in the log. Enter logs and Escape discards the changes made. No content checking!
- **Ctrl+U** – Increase the number in the exchange field by 1.
- **Shift+Enter** – This command is used for callsign stacking and only available in 'Multi–User Mode'. It is described in the [Advanced Functions](#) section.
- **Alt+U** – Toggles "Running" box". When running is checked, the behavior of Enter Sends Messages mode changes appropriately. Additionally contacts are logged as being part of a run.
- **Alt+K** – Change the contents of the Packet/CW/SSB/Digital message buttons.
- **Alt+Y** – Will "yank" the first call from the Check window in the Entry window callsign field.
- **Ctrl+G** – Cut number mode toggle.
- **Ctrl+Shift+M** – Set threshold for Auto–Send option.
- **CTRL+ALT+G** – to stack additional callsigns in all modes. Same as the macro {STACKANOTHER}

<i>Key</i>	<i>Send function key(s)</i>	<i>Action(s)</i>
Insert (middle)	His Call Key & Exchange Key	Send His call followed by the Exchange.
; (same as <i>Insert</i> key)	His Call Key & Exchange Key	Send His call followed by the Exchange.

Alt+Enter		Log the contact.
.	End of QSO Key & Log contact	Will send the <i>End of QSO</i> message and logs the contact.

Call sign/Exchange Editing Features

- **Space Bar** – Moves cursor to the position the last position the cursor was in prior to leaving the Call sign or Exchange fields.
- **Tab** – Move to the next field.
- **Shift-Tab** – Move to the previous field.
- **Home** – Moves cursor to beginning of the field it's in.
- **End** – Moves cursor to end of the field it's in.
- **Question mark (?)** – Sends a ?, and will cause the ? to be highlighted when you reenter the field. E.g. N?MM will send what is typed, but automatically highlight the ? so you can replace it. A double ?, as in DL?K?A will highlight all text in between and including the ? marks. The first keystroke entered will replace all three characters.
- **Left/Right Arrow** – Moves cursor to left or right one position within the field it's in.
- **Backspace** – Delete character to the left.
- **Delete** – Delete character to the right.
- **Shift-Home** – Will highlight from the cursor insertion point to the home (beginning) of the textbox.
- **Shift-End** – Will highlight from the cursor insertion point to the end of the textbox.
- **Shift-arrow** – Will highlight as you press the keys. When you type the first character, it will delete the highlighted character.

Message Key Assignments

The message sent by the function keys F1 through F12 depends if you are in Running mode or in Search and Pounce mode.

It all depends if the Running indicator in the Entry window is marked or not.

Below the function keys with their associated **default** messages, the function keys can be remapped to others on the Function Keys tab in the configurator..

<i>Default Function keys</i>							
F1	CQ key	F2	Exchange key	F3	End of QSO Key	F4	My Call Key
F5	His Call Key	F6	QSO B4 Key	F7		F8	Again Key
F9		F10		F11		F12	

- **Esc** – Stop sending CW or wav. file.
- **Ctrl+R** – Set CQ repeat time in seconds or milliseconds (Example: 1.8 or 1800)
- **Alt+R** – Turn on repeat mode. Escape turns it off.
- **Ctrl+Shift+Fx** – Record SSB message for the assigned function key. Pressing Ctrl+Shift+Fx again stops the recording. Fx can be F1 to F12.
- **Ctrl+Alt+Fx** – Record external DVK memory 1 to 4. Fx can be F1 to F4.

CW Key Assignments

- **PgUp/PgDn** – Adjust CW speed Up/Down active radio using Primary CW Speed Step (Other tab in Configurer).
- **Shift+PgUp/PgDn** – Adjust CW speed Up/Down active radio/VFO using Secondary CW Speed Step (Other tab in Configurer) in SO2R/SO2V mode.

- **Alt+PgUp/PgDn** – Adjust CW speed Up/Down inactive radio/VFO using Secondary CW Speed Step (Other tab in Configurer) in SO2R/SO2V mode.
- **Ctrl+K** – This will open the CW window to send CW. Pressing Ctrl-K again will close the window.
 - ♦ CW will continue to be send when closing the window and the CW message was not finished sending.
- **Ctrl+Shift+R** – Toggle CW Reverse/No Reverse.

Multipliers by Band window Key Assignments

- **Ctrl+J** – Toggle through the Countries, Zones, Sections & Other windows (if the window is not open, it will be opened)
- **Ctrl+Shift+J** – Opens or closes the Multiplier-by-band window

Multi-User Key Assignments

- **Ctrl+E** – Talk, send a message to another station in the network.
- **Ctrl+O** – Change operator callsign (Multi-user).
- **Alt+Z** – Set pass frequency which is broadcasted to all connected computers.
- **Ctrl+Alt+M** – Change the RUN/MULT status (only when Operator Category = Multi-One)

'Enter Sends Message' mode (ESM)

- **Ctrl+M** – Toggle 'Enter Sends Message' mode
- **Alt+Enter** – Log without sending anything

Callsign field	Exchange field	<i>Running mode</i>	<i>Search and Pounce mode</i>
		Enter sends:	Enter sends:
Empty	Empty	CQ (F1)	My Call (F4)
New Call (1st time)	Empty or invalid	His Call + Exch (F5 + F2)	My Call (F4)
New Call (repeat)	Empty or invalid	Again? (F8)	My Call (F4)
New Call	Valid (before sending exchange)	His Call + Exch (F5 + F2)	Exchange (F2)
New Call	Valid (after sending exchange)	End QSO + Log (F3 + Log It)	End QSO + Log (F3 + Log It)
Duplicate Call	Empty or invalid	QSO B4 (F6)	QSO B4 (F6)
Duplicate Call	Valid (before sending exchange)	QSO B4 (F6)	Exchange (F2)
Duplicate Call	Valid (after sending exchange)	End QSO + Log (F3 + Log It)	End QSO + Log (F3 + Log It)
Dupe (1st time), Work Dupes checked	Empty or invalid	His Call + Exch (F5 + F2)	QSO B4 (F6)
Dupe (repeat), Work Dupes checked	Empty or invalid	Again? (F8)	QSO B4 (F6)
Dupe, Work Dupes checked	Valid (before sending exchange)	His Call + Exch (F5 + F2)	Exchange (F2)
Dupe,	Valid (after	End QSO +	End QSO + Log

Work Dupes checked	sending exchange)	Log (F3 + Log It)	(F3 + Log It)
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Packet/Telnet Key Assignments

- **Ctrl+P** – Spot the station entered in the callsign field as a spot to the active cluster connection, either packet or telnet. You will be prompted for a comment. If no station is entered in the callsign field, the last station worked this session will be spotted.
- **Left-click** – Tune the active radio to the frequency of the spot.
- **Shift+Left-click** – Tune the *inactive* radio to the frequency of the spot.
- **SH/DX** – Entered in Entry window Callsign field will be passed through to active Packet window for processing.

Available Window Key Assignments

- **Left-click** – Mostly tunes the active radio to the frequency of the spot. Behavior depends on SO1V, SO2V or SO2R and .
- **Shift+Left-click** – Mostly tunes the *inactive* radio to the frequency of the spot. Behavior depends on SO1V, SO2V or SO2R.
- **Double click** – Go to the frequency with the *active* VFO.

SO2R Key Assignments

- **Ctrl+Enter** – Send next ESM state on alternate radio (assuming ESM turned on).
- **Ctrl+F1 to F12** – Send Fn message on alternate radio.
- **Ctrl+Left Arrow** – In SO2R move both Transmit and Receive/Keyboard focus to left radio, or in SO2V move both TX and RX/Keyboard focus to VFO A.
- **Ctrl+Right Arrow** – In SO2R move both Transmit and Receive/Keyboard focus to right radio, or in SO2V move both TX and RX/Keyboard focus to VFO B.
- **Pause** – Move both TX and RX Keyboard focus to other radio (or other VFO in SO2V). If TX and RX focus are split when you hit pause, TX focus will move to where the RX focus is.
- **Ctrl+B** – Dueling CQ's will send CQ (without delay) alternately on each radio. If Dueling CQ's is turned on, both radios become run radios. Dueling SSB and CW CQ's are supported too.
- **Single quote key** *a.k.a. unshifted tilde key (~)* Toggle STEREO mode on/off, or toggle Auto/PTT modes with modified DXD . Notes: On US keyboards, they key we are talking about is the key just to the left of the number 1 key. We are calling this key the Tilde key, which is technically not correct it's the key, or single quote key.
- **Ctrl+I** – Toggle SO2R Mode (Soundcard). Toggle through the SO2R modes supported by the program. Only operative in '\$5SO2R' when N1MM logger controls the audio, not when using an external SO2R controller.
- **Ctrl+PgUp/Down** – When changing band using Ctrl+PgUp/Down will skip the other radio's band.
 - ◆ **THIS IS NOT A SUBSTITUTE FOR HARDWARE LOCKOUT!!**
- **Ctrl+Shift+I** – Toggle 'Advanced SO2R'. An advanced method of focus control.
- **Ctrl+Shift+N** – Set advanced SO2R delay time
- **Ctrl+Shift+K** – FocusOther, Another method of focus control. Set focus on Other Radio
- **Ctrl+Shift+L** – Toggle CTRLFX Macro. This macro allows the user to send on the other radio (CW only).

RTTY Key Assignments

Key	Button Caption	Action (in text)
F1	&CQ	CQ TEST DE *
F2	&Exchange	5NN #
F3	&His Call	!
F4	&My Call	*
F5	&TU	TU DE *

F6	Call/Exch	! 5NN #
F7		

- **Alt+T** – Toggle TX – RX.
- **Alt+G** – Grab callsign.
- **Ctrl+Arrows** – Swaps from one active DI to the other DI. DI1 will follow radio1 (bandmap A) DI2 will follow radio2 (bandmap B).

Gridsquare Key Assignments (VHF and up)

- **Alt+equal (=)** – Search entered info from both the Callsign field and the Gridsquare field in the call history table.
 - ◆ The results will be shown in the Check window.
- **Alt+minus (-)** – Toggle through call history and entered grid squares (max 3) in the grid square entry field.
 - ◆ When no grids are found in the call history there is nothing to toggle..

Rotator Key Assignments

- **Alt+J** – Turn rotor to bearing for the callsign in the Entry window or to the callsign in the callframe (when callsign field is empty).
- **Alt+L** – Turn rotator to long path bearing for the callsign in the Entry window.
- **Ctrl+Alt+J** – Stop turning the rotator when turning and no bearing in callsign field in Entry window.

Window Key Assignments

- **Ctrl+Tab** – Toggles between the Entry window and Packet window.
- **Ctrl+K** – Display the CW Keyboard window.
- **Ctrl+L** – Display the Log window (toggles between open and minimized).
- **Ctrl+J** – Display the Multiplier window, Toggle through the Countries, Zones, Sections & Other windows when open.

Lookup Table Edit

- **Ctrl-D** – to delete a row in the table or use the right click menu.