

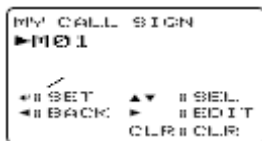
Programming your IC 91A / IC91AD

D-Star programming

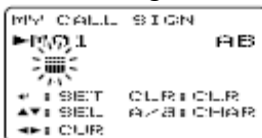
1. Push **[VFO]** to select VFO mode, if necessary. You **MUST** be in the VFO mode to begin programming your radio.
2. If you are programming a D-Star (DV) mode frequency you must be on the “B” operating band. Pressing **[MAIN][DUAL]** will change between “A” and “B”. Either operating band can be used to program AM, FM or WFM mode frequencies.
3. Select the desired frequency band by pressing **[BAND]**.
4. Push and hold **[MODE](REC)** for 1 sec. several times to select the desired operating mode.
 - AM, FM, WFM or DV. DV is only available on the “B” operating band for D-Star.
5. Set the frequency you want to use by pressing and releasing the corresponding number on the keypad. You must enter at least **six** digits to complete the frequency setting.
6. To set your offset or duplex (dup) push and hold **[DUP](4)** for 1 sec. to select “–DUP” or “+DUP”.
7. D-Star requires 4 callsign field entries: MYCALL, URCALL, RPT1 and RPT2. Four types of call sign memories are available; your own call sign “MY CALL SIGN,” other station call sign “YOUR CALLSIGN,” repeater call sign “RPT1 CALL SIGN” and “RPT2 CALL SIGN.” “MY CALL SIGN” can store up to 6 call signs, “YOUR CALL SIGN” can store up to 60 call signs and “RPT1/2 CALL SIGN” can store up to 60 call signs, and each call sign can be programmed with up to 8 characters.

Your own call sign must be programmed for both digital voice and low-speed data communications (including GPS transmission). Enter “MY” in call sign set mode. (Normally this only needs to be done once)

8. Push **[MENU/LOCK]**, Rotate **[DIAL]** to select (CALL SIGN) Push **[▶](6)**.
9. Rotate **[DIAL]** to select (MY), Push **[▶](6)**.
 - MY CALL SIGN screen is displayed.



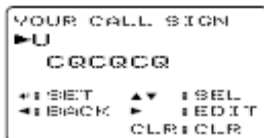
10. Rotate **[DIAL]** to select the desired call sign memory, “M01” to “M06.”
11. Push **[▶](6)** to enter call sign programming mode.
 - The 1st digit blinks.



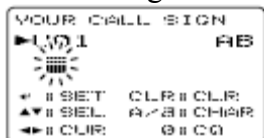
12. Rotate **[DIAL]** to select the desired character or code.
 - Push **[A/a](3)** to change the character group from “AB” (alphabetical characters; capital letters), “12” (numbers) and “/” (symbols) in sequence.
13. Push **[▶](6)** to select 2nd digit, then rotate **[DIAL]†** to select the desired character or code.
 - Push **[▶](6)** to move the cursor right; push **[◀](4)** to move the cursor left.
 - 2nd digit blinks (1st digit stops blinking).



14. Repeat the steps to enter your own call sign.
 - Up to a 8-digit of call sign can be set.
 - If an un-necessary character is entered, push **[▶](6)** or **[◀](4)** to select the character, then push **CLR](1)** to erase the selected character, or push and hold **[CLR](1)** for 1 sec. to erase all characters following the cursor.
15. Push **[↵](5)** to store the programmed call sign and returns to MY CALL SIGN screen.
16. Push **[MENU/LOCK]** to return to frequency indication.
17. Station call sign must be programmed for the specified station call as well as repeater operation in both digital voice and low-speed data communications.
18. Enter “UR” in call sign set mode.
19. Push **[MENU/LOCK]**, Rotate **[DIAL]** to select (CALL SIGN) Push **[▶](6)**.
20. Rotate **[DIAL]** to select (UR), Push **[▶](6)**.
 - UR CALL SIGN screen is displayed.



21. Rotate **[DIAL]** to select the desired call sign memory, “U01” to “U60.”
22. Push **[▶](6)** to enter call sign programming mode.
 - The 1st digit blinks.



23. Rotate **[DIAL]†** to select the desired character or code.
 - Push **[A/a](3)** to change the character group from “AB” (alphabetical characters; capital letters), “12” (numbers) and “/” (symbols) in sequence.

24. Push [▶](6) to select 2nd digit, then rotate [DIAL]† to select the desired character or code.
 - Push [▶](6) to move the cursor right; push [◀](4) to move the cursor left.
 - 2nd digit blinks (1st digit stops blinking).



25. Repeat the steps t and y to enter the desired station call sign.
 - Up to an 8-digit of call sign can be set.
 - If an un-necessary character is entered, push [▶](6) or [◀](4) to select the character, then push [CLR](1) to erase the selected character, or push and hold [CLR](1) for 1 sec. to erase all characters following the cursor.



26. Push [↵](5) to store the programmed call sign and returns to YOUR CALL SIGN screen.
27. Push [MENU/LOCK] to return to frequency indication.

The RPT1 and RPT2 call sign information is entered in a similar manner to the UR call sign except you would select the R1 or R2 field in the call sign screen menu.

28. Now that you have the frequency, offset, mode and call sign information you are now ready to save your settings in a memory channel. Push and hold [S.MW](MR) for 1 sec. to enter select memory write mode.
 - 1 short and 1 long beep sound.
 - “MR” indicator blinks.
29. Rotate [DIAL] to select the desired channel.
 - Call channels (C0, C1), VFO (VFO) and scan edge channels (0A/0B to 24A/24B), as well as regular memory channels, can be programmed in this way.
30. Push and hold [S.MW](MR) for 1 second to program.
 - 3 beeps sound.
 - Memory channel number automatically increases when continuing to push and hold [S.MW](MR) for 3 seconds after programming.

If you have additional memories to program, start again at Step #1. If you have completed your programming, press and release the “MR” key to operate from Memory mode.

That's it! Using the above steps you should have no trouble entering D-Star simplex or repeater frequencies, call signs and saving them.

Enjoy your hobby! 73