

Icom IC-02AT VHF Handheld Radios Offset problem

A common problem with the Icom IC-02AT is a not being able to program the repeater offset. There is a reason for this – there are two versions of the radio and three versions of the radio manual. I have arbitrarily identified the manuals as versions A, B, and C.

- Manual A starts with the Table of Contents in the first page and the section numbers are in roman numerals. It is 49 pages long.
- Manual B starts with the Table of Contents on the first page and the section numbers are in digits. It is 45 pages long. This version is available on the Icom America download page under file name IC-02A/IC-02AT.
- Manual C starts with a Foreword on the first page and the section numbers are in digits. It is 47 pages long. This is the version that is available on the Icom America download page under file name IC-02A/IC-02AT/IC-02E

Manual A appears to be the oldest version and is for the first version of the radio. The first version has different procedures for programming the offset and for disabling the PL tone and must be disassembled to reset the CPU.

Manuals B and C are for the later version of the radio. This model is easy to identify – if you can reset it by holding the function key (the one above the PTT button) while powering it on, it is a later model.

Most of the text and illustrations and text in these manuals are identical, but there are significant differences in Section 6.

- To turn off the tone encoder, Version A. (Page 24) **“Push the “0”key twice (“00”) as the tone number.”**
- To turn off the tone encoder, Versions B (page 24) and C (Page 26). “Push the “1” (tone) key while the “FUNC” key is pushed.”
- Duplex Operation, Version A. (Page 25). **“While depressing the “FUNC” key, push the “7” (SHIFT) key, the “*” (-) or “#” (+) key according to the input/output frequency of the repeater you wish to access, then four digit keys of MHz to KHz digits of the desired frequency separation.”**
- Duplex Operation, Versions B (page 27) and C (page 29). **“While pushing the “FUNC” key, push the “7” (SHIFT) key, then the four digit keys (MHz to KHz digits of the desired frequency separation.”**

There may be other differences that I didn’t notice. If you are having trouble with other functions on your radio I suggest that you check the other versions of the manual to see if you can figure it out. If you notice other changes, please email me.

Here is a link to Manual A. www.n7cfo.com/amradio/projects/IC-02AT-A.pdf You can download manuals B and C at the Icom America download site.
<http://www.icom.co.jp/world/support/download/manual/>

May I suggest that you mark downloaded manuals with either “A”, “B” or “C” so you can keep them straight later?