IC7300 and CW Skimmer

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**À :**win4icomsuite@groups.io

8 févr. à 20:23

Solved!

Hi,
The IC-7300 has the ability to output both audio or IF signals over the built in USB codec. It can provide a 12kHz bandwidth in IF mode if you set your radio to FM.  This is the only mode that does not insert a band pass filter which sets the IF output to the audio frequency band pass of the mode in use.
Of course you cannot transmit CW in FM. But you can if you set your VFO B to use CW and then enable split!  Thus you are able to decode CW with CW Skimmer and transmit.

There are a few steps to do this:
1) set your radio to output IF instead of AF.  Menu, Set, Connectors, (Page 1 of 4) ACC/USB Output Select:  Set this for IF
2) Put your radio into FM mode.
3) Select split.
4) Select VFO B and set the mode to CW
5) Select VFO A and select FM.

Now in CWSkimmer settings:
Radio tab:
1) Select SoftRock IF
2) set the audio IF to minus 12000 (-12000)
3) Set the sampling rate to 192kHz.

Audio Tab:
1) Sound card driver MME
2) Signal IO device - the microphone codec for the 7300
3) Audio IO device, your speakers
4) Channels: Left/Right = I/Q
5) Shift.... 0 samples.

Enjoy!
Tom icom.va2fsq.com

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 Mark Hatch

Feb 9   [#27853](https://groups.io/g/ic-7300/message/27853)

Tom,

Works great! Thank you! I saved a non-skimmer and a skimmer config to my scared, so I just load the one that I am using currently.

A couple questions:

1. It appears that I cannot set audio out to the speaker codec of the 7300? I get nothing when I do so, and so I connected it to a USB sound card I have plugged in and everything works fine.
2. Using the USB output, volume control is a little awkward with the volume control on the 7300/winforicom not having any impact on the audio output. Have to either go to the standard windows speaker icon or the buried audio out control on the skimmer. Any easier way here?

And thanks again for keeping at this!

73
Mark

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| Like |
|  Tom BlahoviciFeb 10   [#27867](https://groups.io/g/ic-7300/message/27867)The USB microphone codec in the radio acts like a microphone therefore is expected as an input to software. If you just want to hear it on your computer, you open the windows sound control panel and select recording for the device. Next select Listen and then check the listen to this device check box. Set the output to your speakers there too.To adjust the volume you use the tools input output menu in win4icom and adjust the audio level there.If you use no software then there is an equivalent control in the radio set connectors menu. Of course the windows volume also works.For cwskimmer use, you will need to adjust the windows volume control.73 Tom icom.va2fsq.com  |