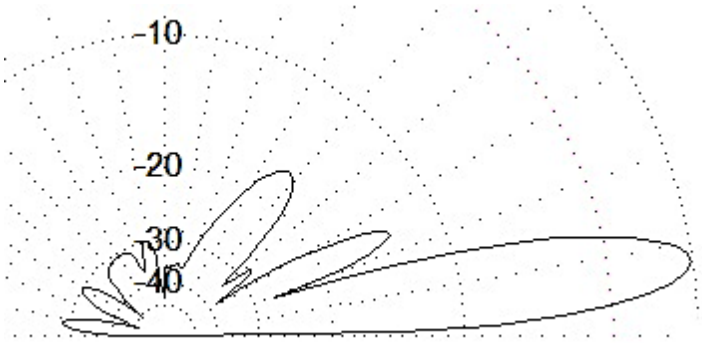
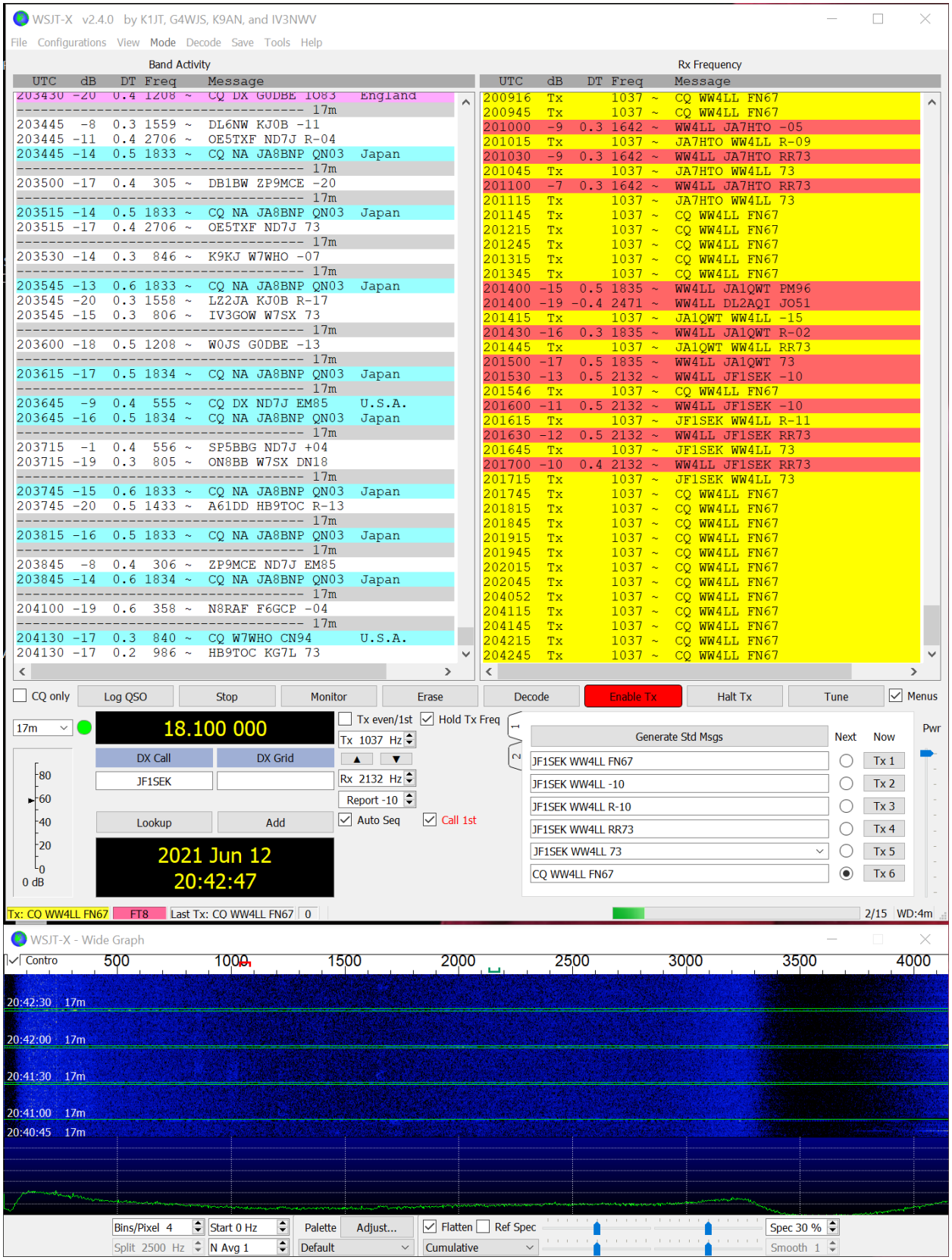
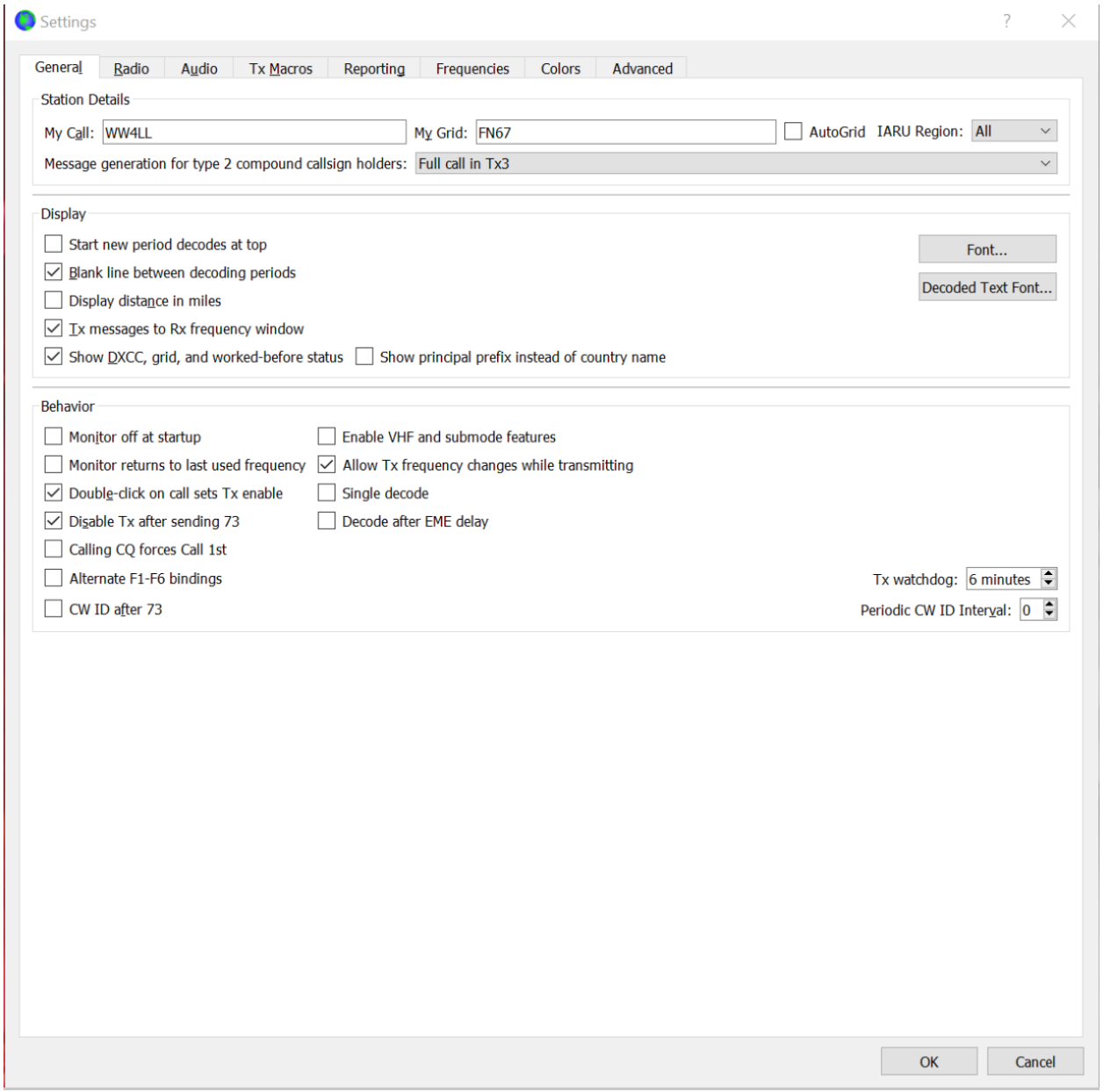


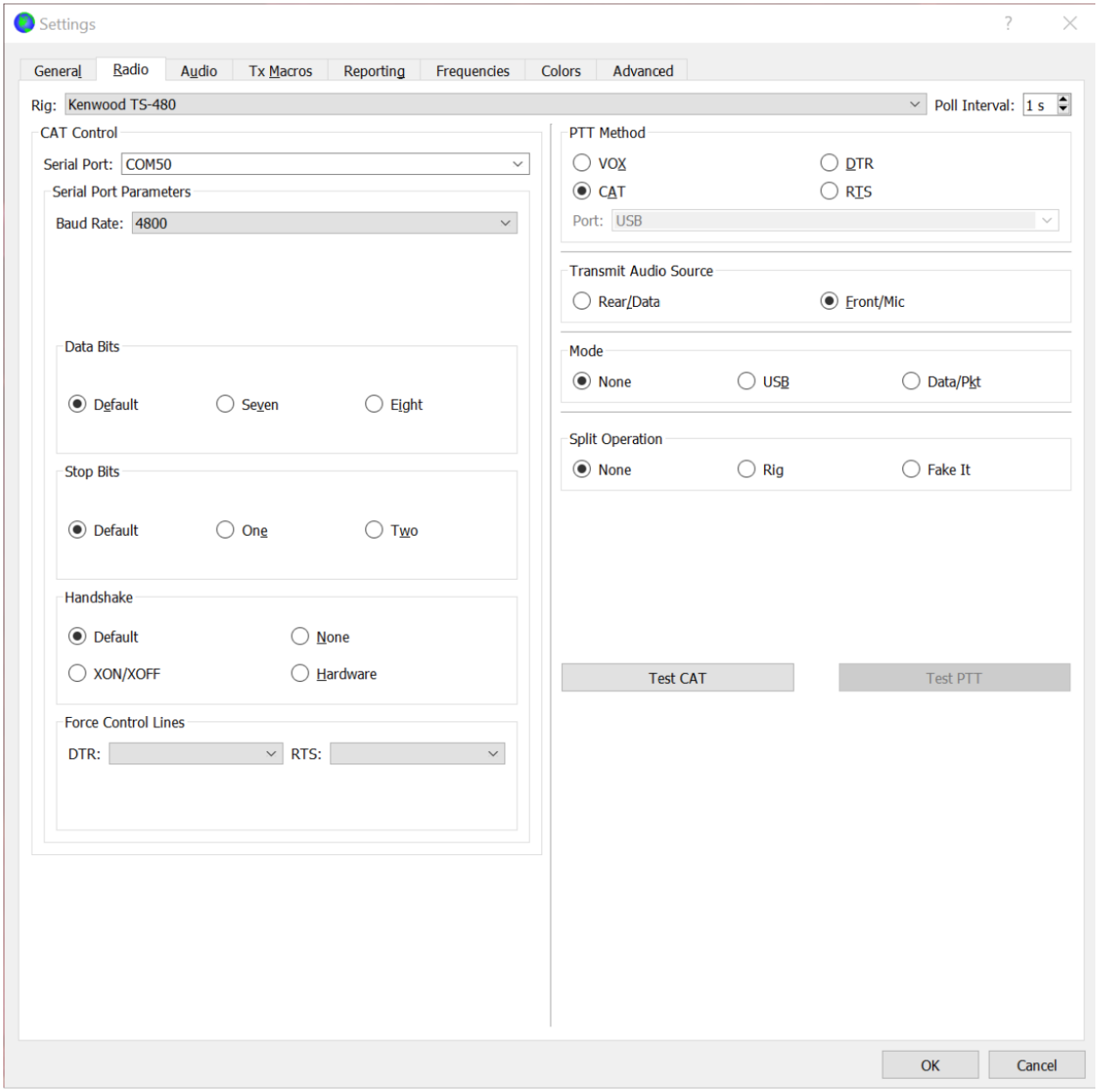
WSJTX V4.0 Setup Instructions Complete With PC Sound Settings and N1MM+


WSJT-X v2.4.0 by K1JT, G4WJS, K9AN, and IV3NWV
File Configurations View Mode Decode Save Tools Help
Band Activity
UTC dB DT Freq Message
203430 -20 0.4 1208 ~ CQ DX G0DBE IO83 England
17m
203445 -8 0.3 1559 ~ DL6NW KJ0B -11
203445 -11 0.4 2706 ~ OE5TXF ND7J R-04
203445 -14 0.5 1833 ~ CQ NA JA8BNP QN03 Japan
17m
203500 -17 0.4 305 ~ DB1BW ZP9MCE -20
17m
203515 -14 0.5 1833 ~ CQ NA JA8BNP QN03 Japan
203515 -17 0.4 2706 ~ OE5TXF ND7J 73
17m
203530 -14 0.3 846 ~ K9KJ W7WHO -07
17m
203545 -13 0.6 1833 ~ CQ NA JA8BNP QN03 Japan
203545 -20 0.3 1558 ~ LZ2JA KJ0B R-17
203545 -15 0.3 806 ~ IV3GOW W7SX 73
17m
203600 -18 0.5 1208 ~ W0JS G0DBE -13
17m
203615 -17 0.5 1834 ~ CQ NA JA8BNP QN03 Japan
17m
203645 -9 0.4 555 ~ CQ DX ND7J EM85 U.S.A.
203645 -16 0.5 1834 ~ CQ NA JA8BNP QN03 Japan
17m
203715 -1 0.4 556 ~ SP5BBG ND7J +04
203715 -19 0.3 805 ~ ON8BB W7SX DN18
17m
203745 -15 0.6 1833 ~ CQ NA JA8BNP QN03 Japan
203745 -20 0.5 1433 ~ A61DD HB9TOC R-13
17m
203815 -16 0.5 1833 ~ CQ NA JA8BNP QN03 Japan
17m
203845 -8 0.4 306 ~ ZP9MCE ND7J EM85
203845 -14 0.6 1834 ~ CQ NA JA8BNP QN03 Japan
17m
204100 -19 0.6 358 ~ N8RAF F6GCP -04
17m
204130 -17 0.3 840 ~ CQ W7WHO CN94 U.S.A.
204130 -17 0.2 986 ~ HB9TOC KG7L 73
Rx Frequency
UTC dB DT Freq Message
200916 Tx 1037 ~ CQ WW4LL FN67
200945 Tx 1037 ~ CQ WW4LL FN67
201000 -9 0.3 1642 ~ WW4LL JA7HTO -05
201015 Tx 1037 ~ JA7HTO WW4LL R-09
201030 -9 0.3 1642 ~ WW4LL JA7HTO RR73
201045 Tx 1037 ~ JA7HTO WW4LL 73
201100 -7 0.3 1642 ~ WW4LL JA7HTO RR73
201115 Tx 1037 ~ JA7HTO WW4LL 73
201145 Tx 1037 ~ CQ WW4LL FN67
201215 Tx 1037 ~ CQ WW4LL FN67
201245 Tx 1037 ~ CQ WW4LL FN67
201315 Tx 1037 ~ CQ WW4LL FN67
201345 Tx 1037 ~ CQ WW4LL FN67
201400 -15 0.5 1835 ~ WW4LL JA1QWT PM96
201400 -19 -0.4 2471 ~ WW4LL DL2AQI JO51
201415 Tx 1037 ~ JA1QWT WW4LL -15
201430 -16 0.3 1835 ~ WW4LL JA1QWT R-02
201445 Tx 1037 ~ JA1QWT WW4LL RR73
201500 -17 0.5 1835 ~ WW4LL JA1QWT 73
201530 -13 0.5 2132 ~ WW4LL JF1SEK -10
201546 Tx 1037 ~ CQ WW4LL FN67
201600 -11 0.5 2132 ~ WW4LL JF1SEK -10
201615 Tx 1037 ~ JF1SEK WW4LL R-11
201630 -12 0.5 2132 ~ WW4LL JF1SEK RR73
201645 Tx 1037 ~ JF1SEK WW4LL 73
201700 -10 0.4 2132 ~ WW4LL JF1SEK RR73
201715 Tx 1037 ~ JF1SEK WW4LL 73
201745 Tx 1037 ~ CQ WW4LL FN67
201815 Tx 1037 ~ CQ WW4LL FN67
201845 Tx 1037 ~ CQ WW4LL FN67
201915 Tx 1037 ~ CQ WW4LL FN67
201945 Tx 1037 ~ CQ WW4LL FN67
202015 Tx 1037 ~ CQ WW4LL FN67
202045 Tx 1037 ~ CQ WW4LL FN67
204052 Tx 1037 ~ CQ WW4LL FN67
204115 Tx 1037 ~ CQ WW4LL FN67
204145 Tx 1037 ~ CQ WW4LL FN67
204215 Tx 1037 ~ CQ WW4LL FN67
204245 Tx 1037 ~ CQ WW4LL FN67
CQ only
Log QSO
Stop
Monitor
Erase
Decode
Enable Tx
Halt Tx
Tune
Menus
17m
18.100 000
Tx even/1st
Hold Tx Freq
Tx 1037 Hz
DX Call
DX Grid
JF1SEK
Rx 2132 Hz
Report -10
Lookup
Add
Auto Seq
Call 1st
2021 Jun 12
20:42:47
80
60
40
20
0
0 dB
Generate Std Msgs
Next
Now
JF1SEK WW4LL FN67
JF1SEK WW4LL -10
JF1SEK WW4LL R-10
JF1SEK WW4LL RR73
JF1SEK WW4LL 73
CQ WW4LL FN67
Tx 1
Tx 2
Tx 3
Tx 4
Tx 5
Tx 6
Pwr
Tx: CQ WW4LL FN67
FT8
Last Tx: CQ WW4LL FN67
0
2/15
WD:4m
WSJT-X - Wide Graph
Contro
500
1000
1500
2000
2500
3000
3500
4000
20:42:30 17m
20:42:00 17m
20:41:30 17m
20:41:00 17m
20:40:45 17m
Bins/Pixel 4
Start 0 Hz
Palette
Adjust...
Flatten
Ref Spec
Spec 30 %
Split 2500 Hz
N Avg 1
Default
Cumulative
Smooth 1

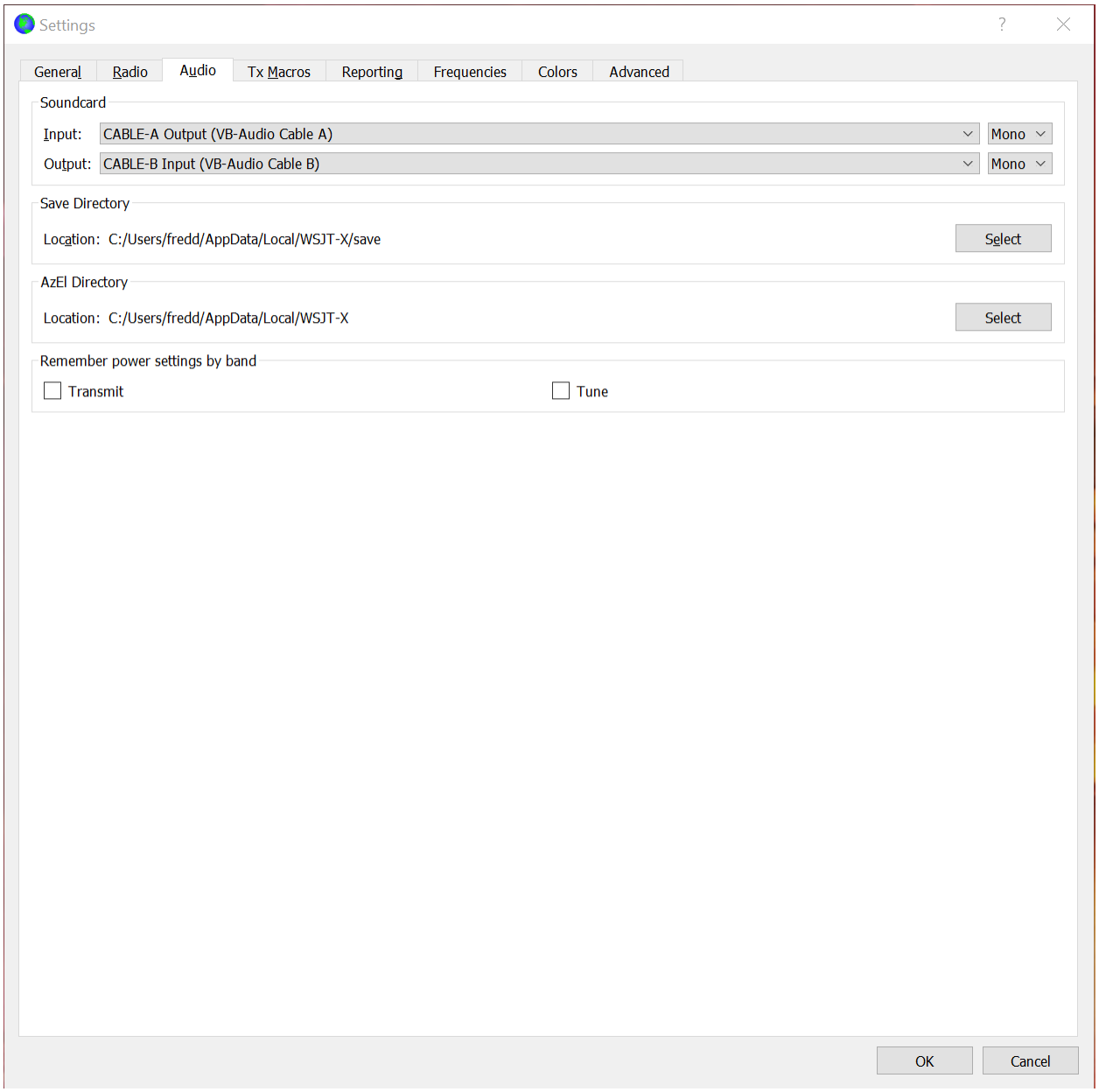
Open WSJTX V2.4.0 - Click File, Settings, **GENERAL** – Insert your callsign, grid and the rest of the information shown completed on this page.



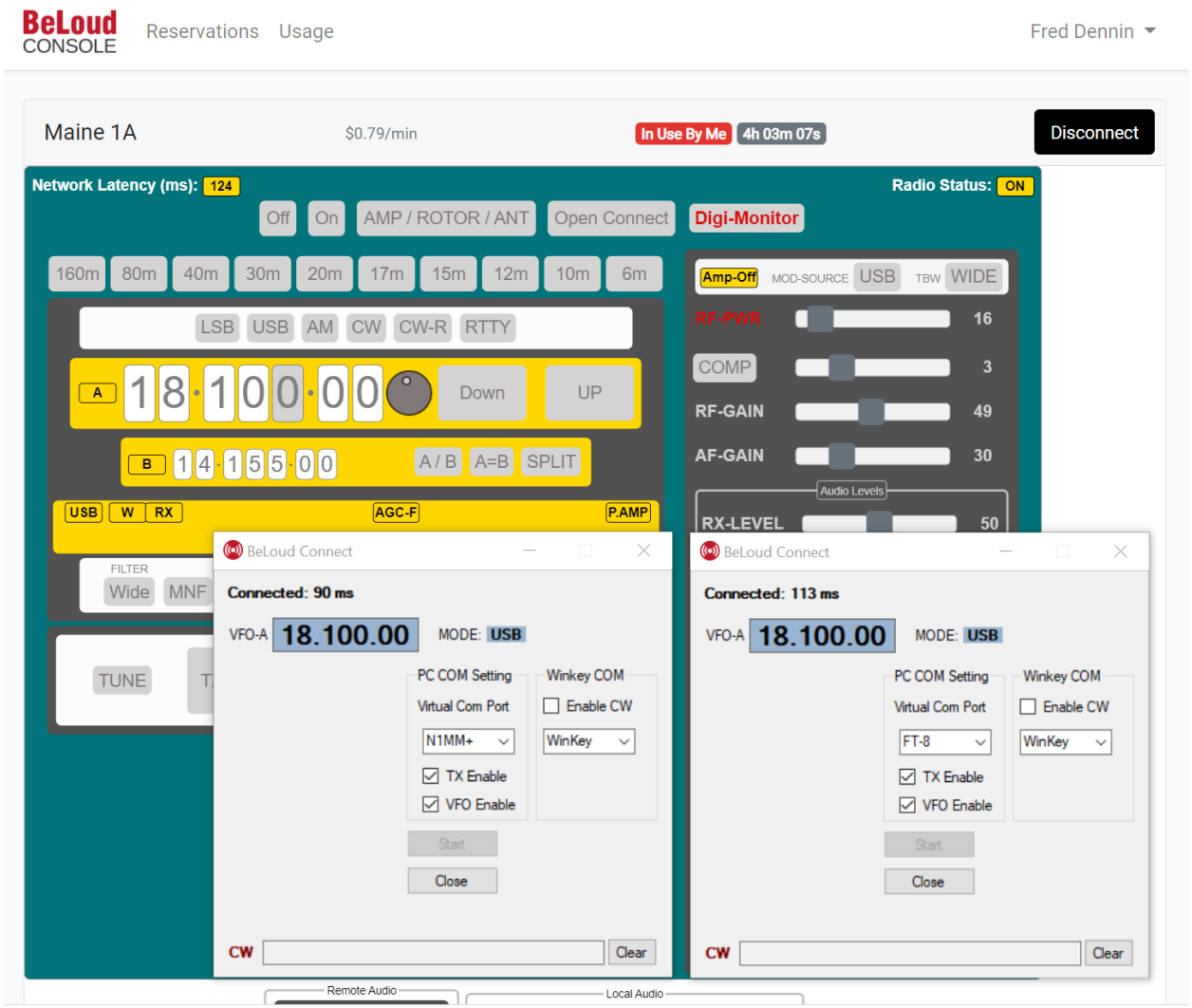
Then click on the **RADIO** Tab. Set this page up exactly as it is in the example below. In the PTT section, you will have to click on DTR to gain the ability to change the port to USB, then click back on CAT.



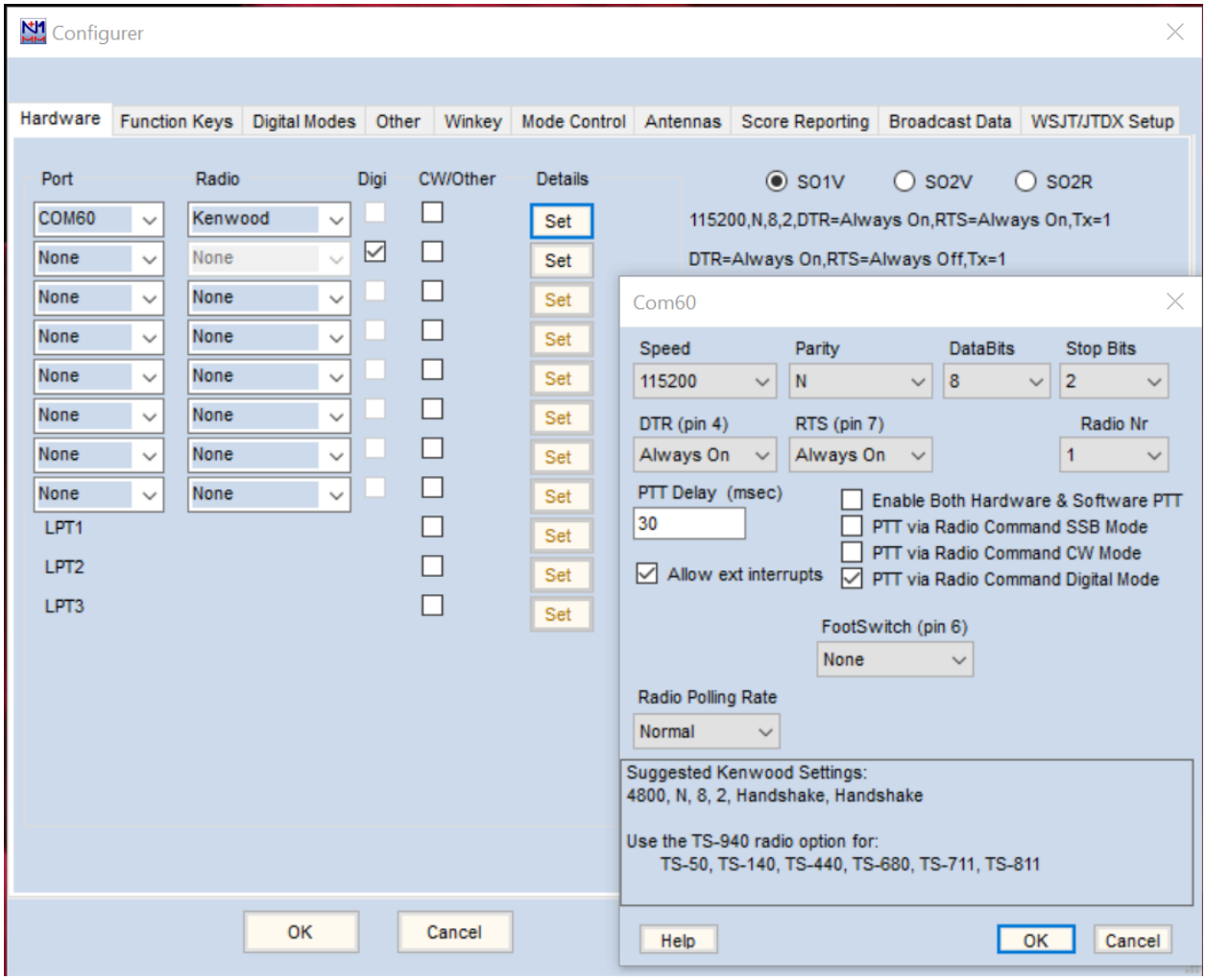
Audio Tab - Setting up the Audio to Cable A and Cable B in the example below assumes that you have already installed VB-Audio Cable A and Cable B. This is a download available at https://vb-audio.com/Cable/ There is a “donation” required and if you don’t “donate” at least $20, you’re only going to get half of the cable pair.



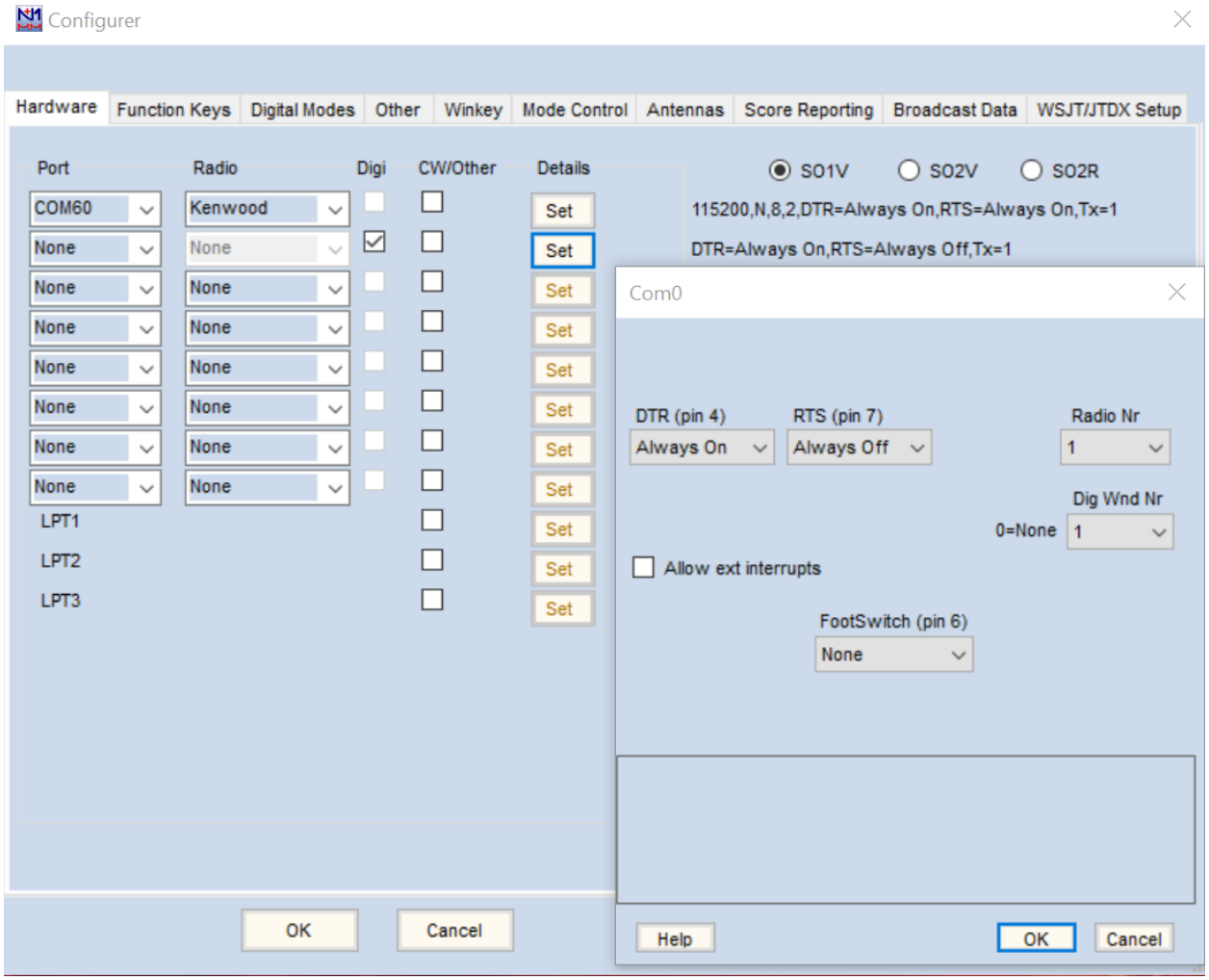
WSJTX has it's own logging software, however, if you want to have all of your QSOs blown into N1MM at the same time, you have to have 2 instances of BeLoud Connect open, one listing N1MM in the pull-down and one listing FT8 in the second pull-down. Once they connect, you can minimize them. If you don't want the QSOs logged in N1MM, you only have to open 1 instance of BeLoud Connect and it is set in the pull-down to FT8. If you switch radio stations like from Maine to Georgia, you will have to pull-up two new instances of BeLoud Connect because of the station change.



The N1MM setup for FT8 is the same way every time. In the Configurer tab of N1MM, open the tab and make the Port number on the first line (Radio) COM60 and select Kenwood as the radio. Then click Set and you'll find the Speed, Parity, etc. window and set them as is depicted in this example.

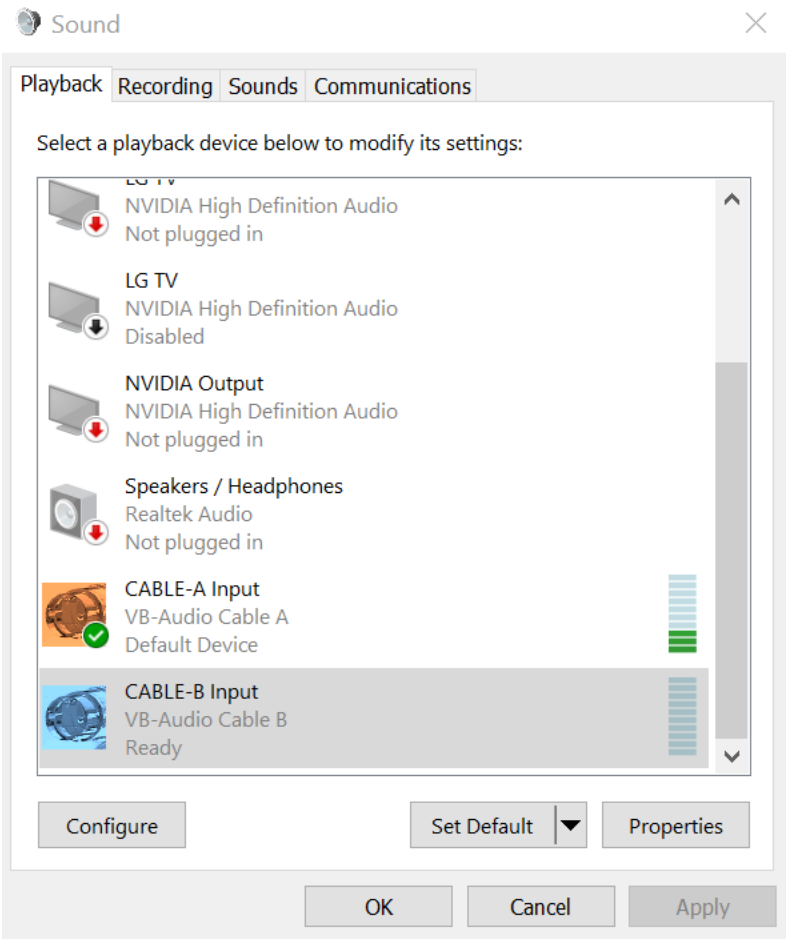


Still on the **Hardware** tab and on the second line down, the Port and Radio should be set to NONE. Place a checkmark in Digi, then click Set and you'll get the following dropdown window. Set yours just like this example to run FT8 and log the Qs in N1MM.

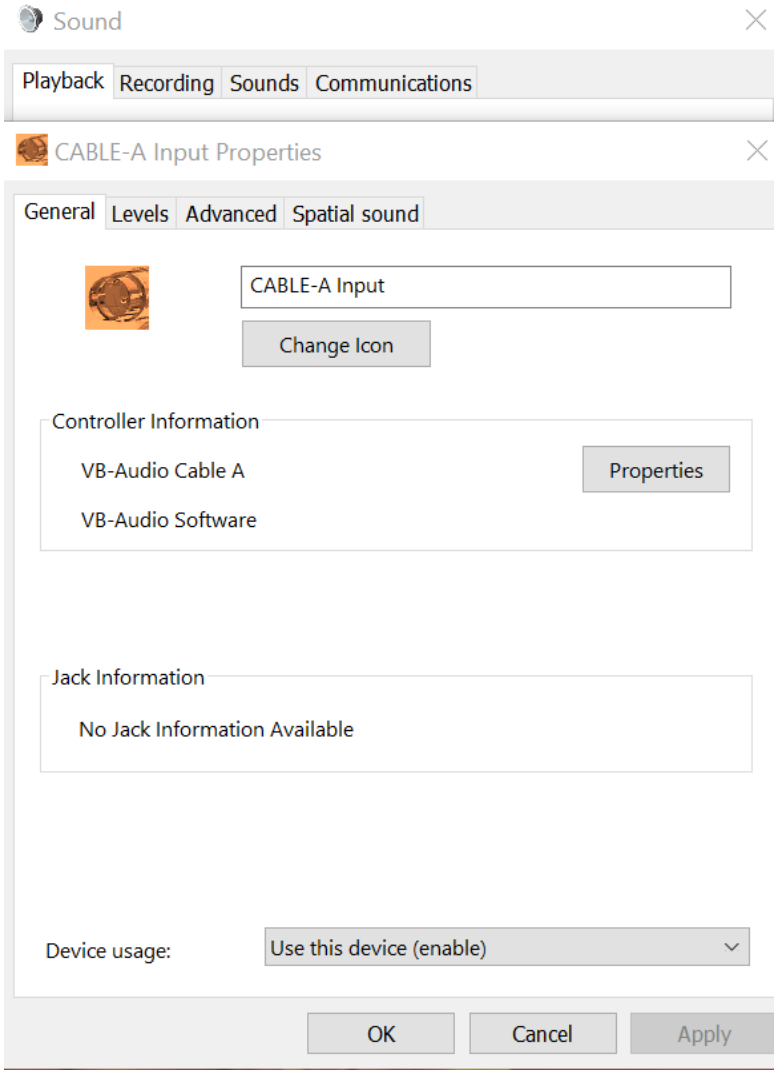


Setting Up the Audio

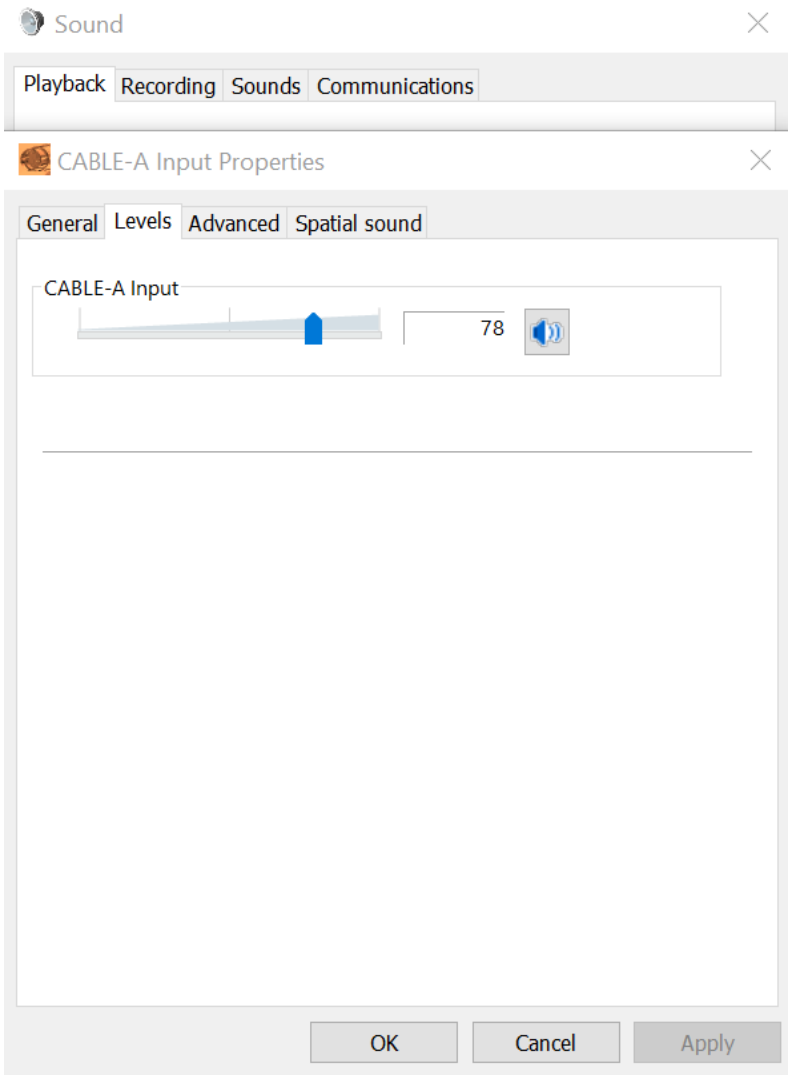
Now, right click the speaker icon at the bottom right of the PC screen to pull-up the Sound settings screen that has 4 tabs (Playback, Recording, Sounds & Communications).



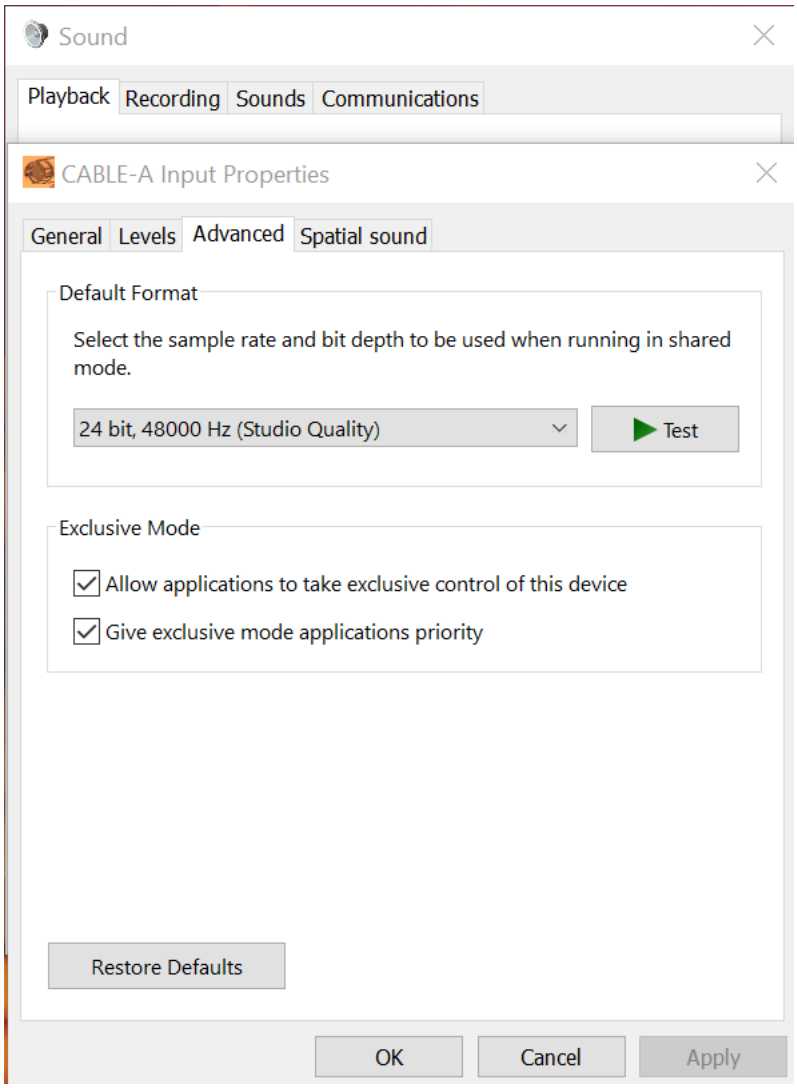
Right click on Cable – A Input and you'll get this Sound Playback screen. Just make sure on this screen that "Use This Device (enable) is in the pull-down box below.



Click on Cable – A Input Levels to adjust your levels as appropriate but something around 80 is a good starting point.

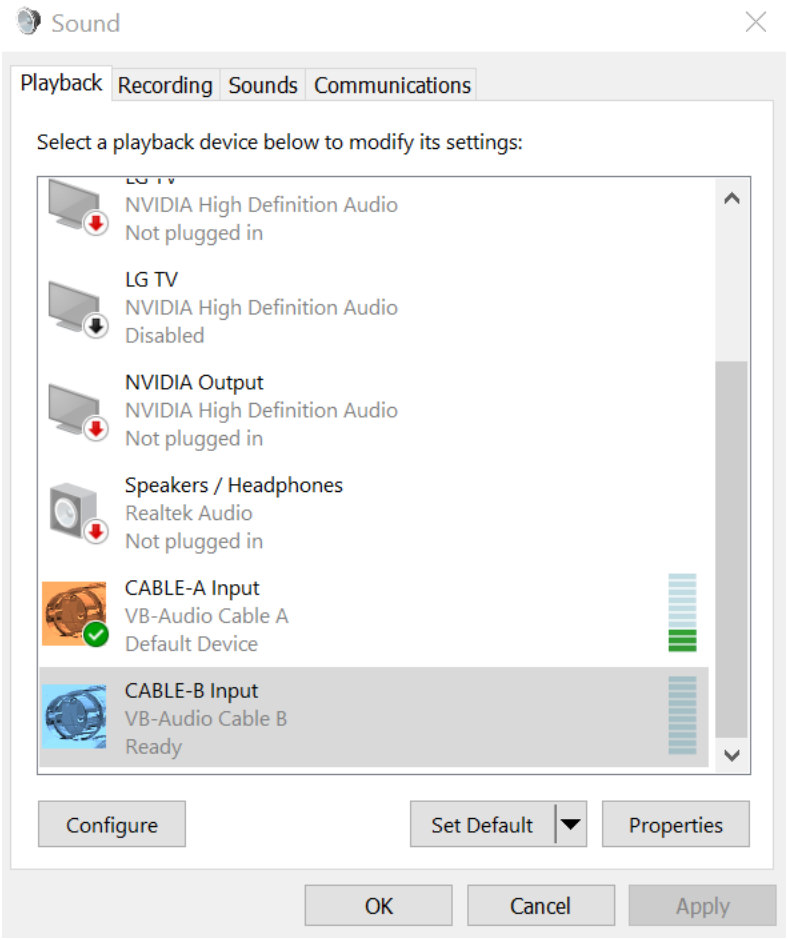


Click on Cable – A Input Advanced, set like this screenshot, click OK then close Cable – A.

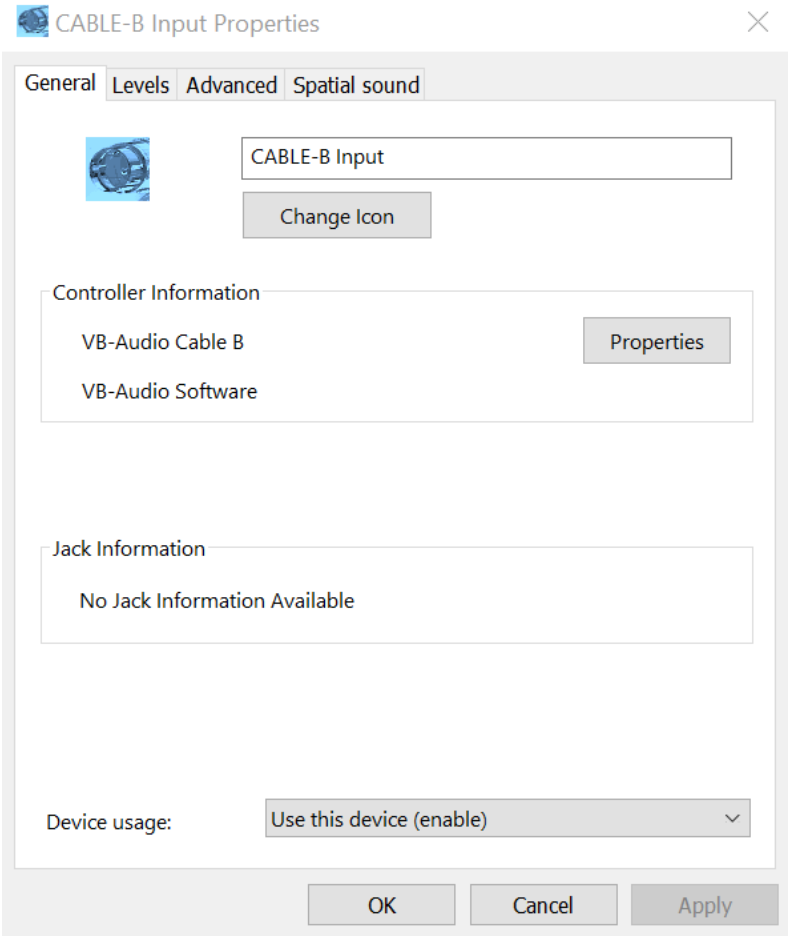


The Spatial Sound Tab is set to OFF.

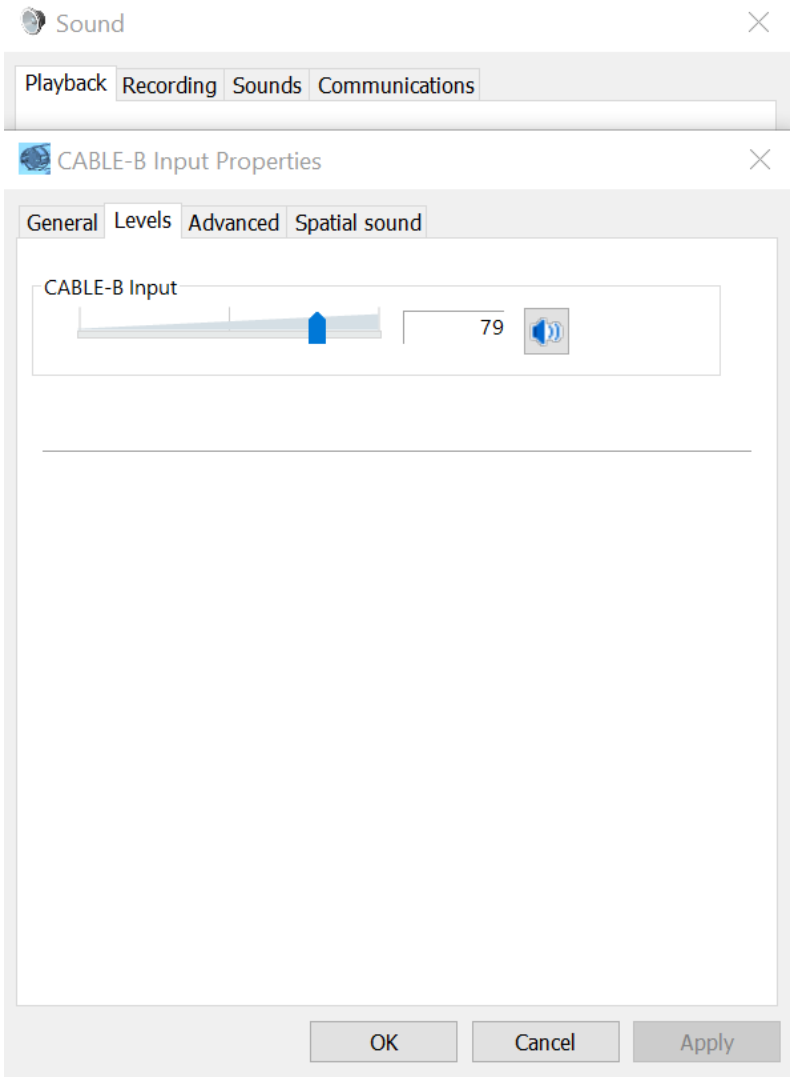
Now go back to the original Sound screen and right click on Cable – B Input under the Playback Tab.



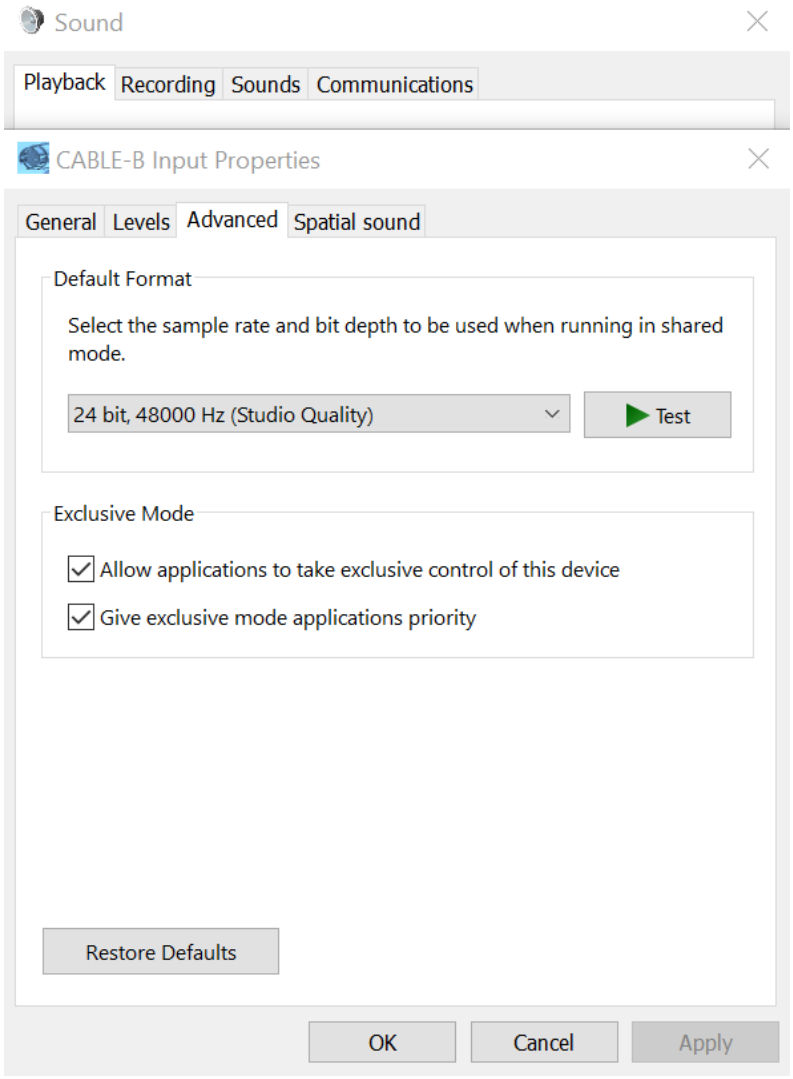
The General Tab Cable – B Input will appear and just make sure under Device Usage, that “Use this device (enable) is shown in the pull-down window.



Next, click on the Cable – B Input Properties Levels Tab and use this level around 80 as a starting point.

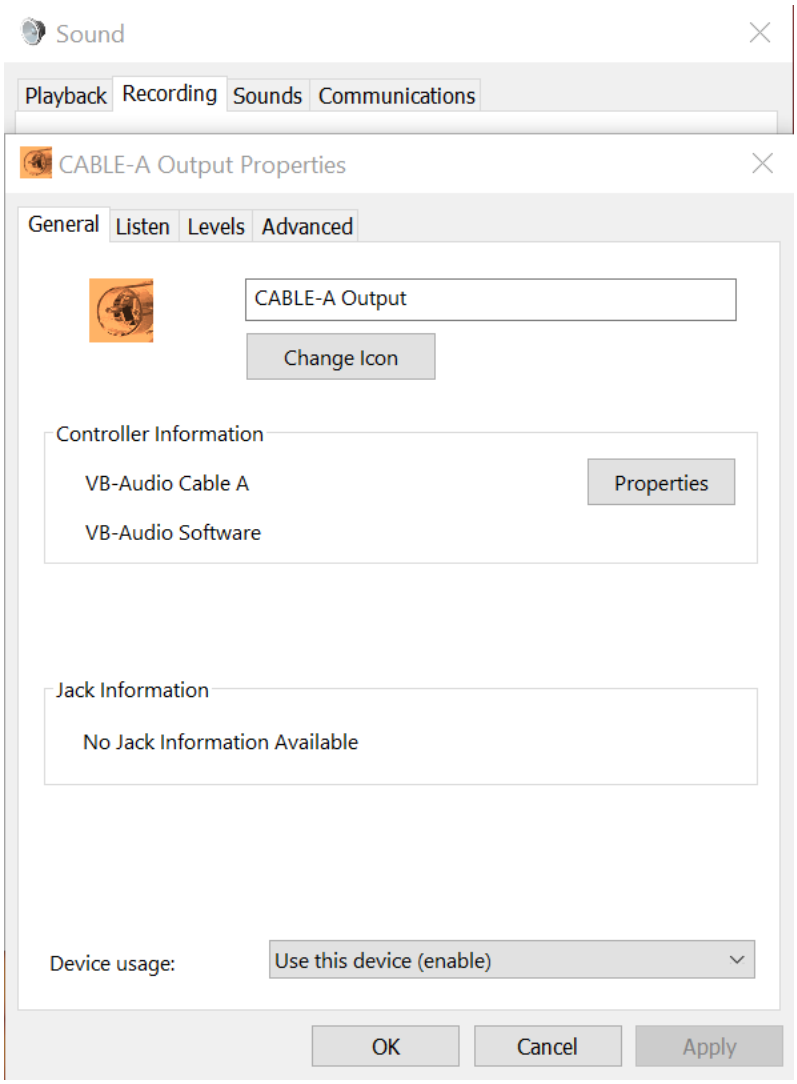


Next, click on the Cable – B Input Properties Advanced Tab and setup like example.

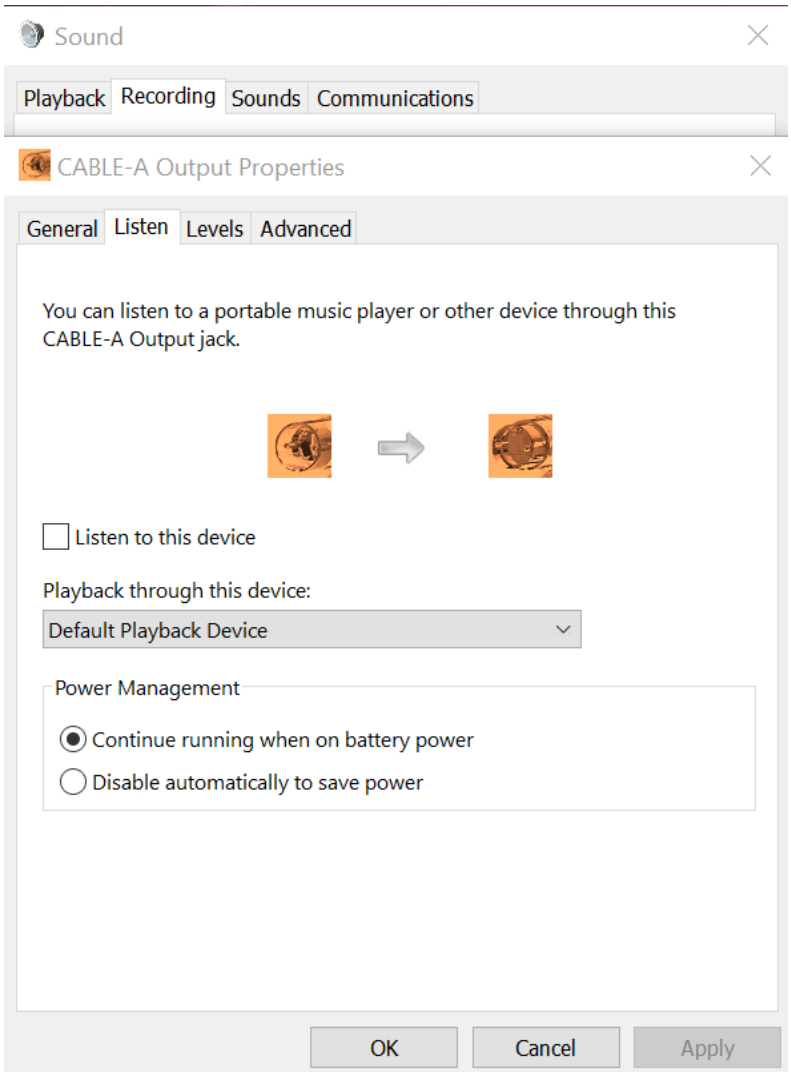


The Spatial Sound Tab is set to OFF.

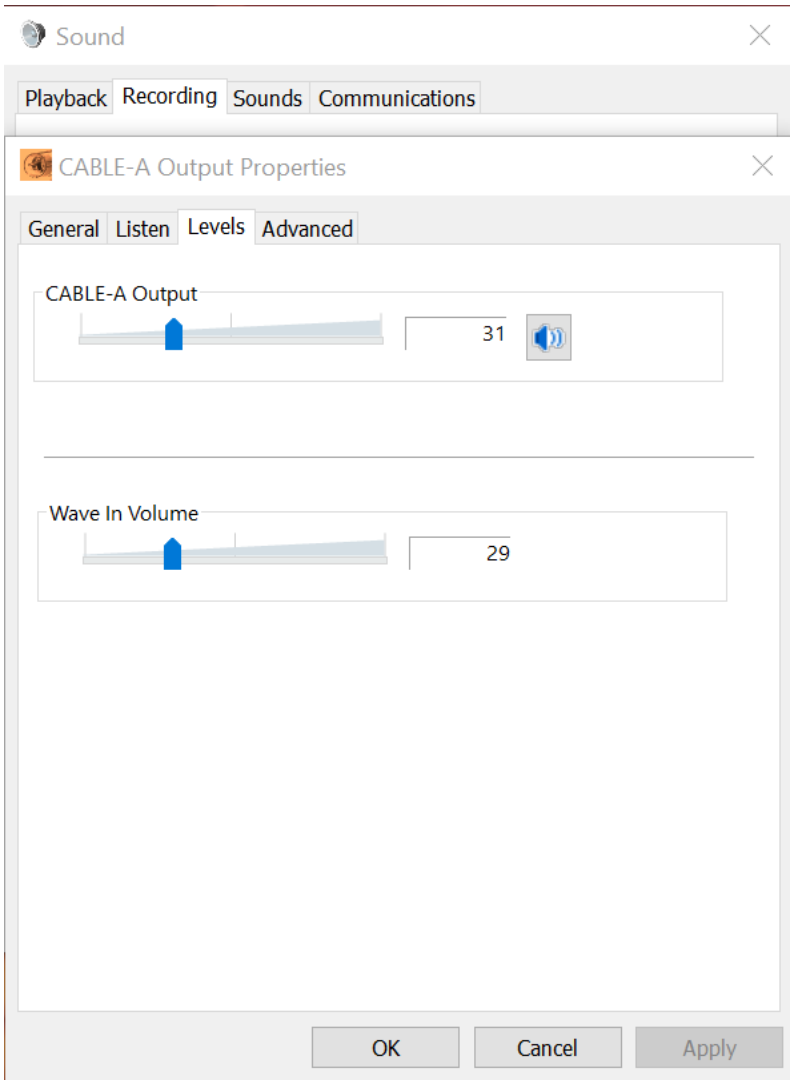
The Sound Panel will appear, then right click on Cable – A Output. Under the General Tab, just make sure under Device Usage, that “Use this device (enable) is shown in the pull-down window.



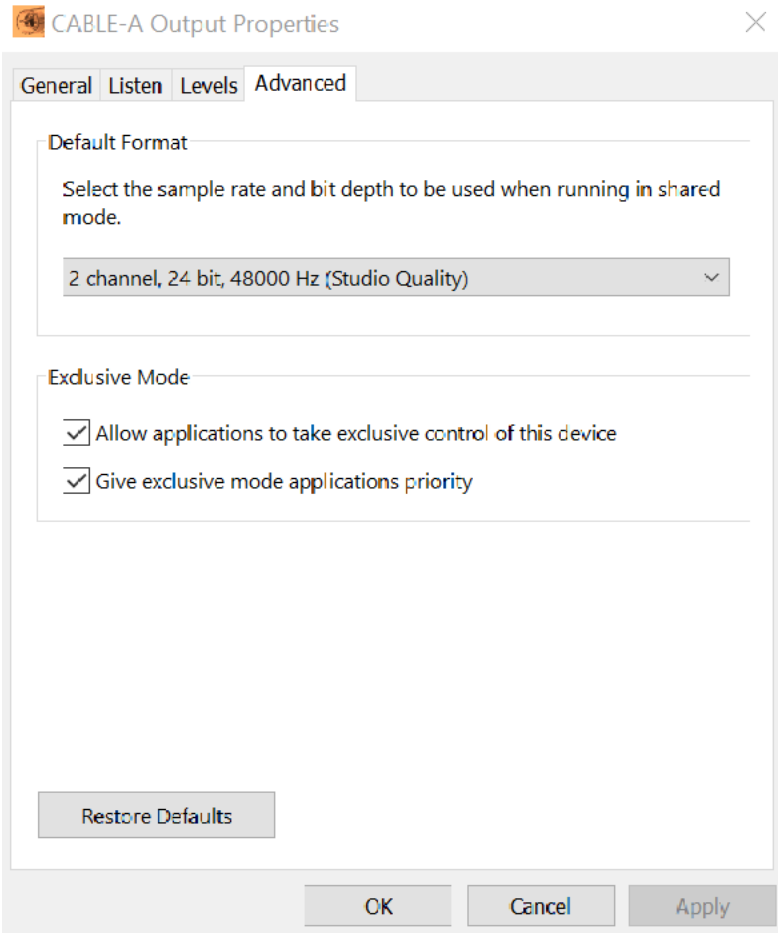
Next, click on the Listen Tab under Sound – Recording - Cable - A Output Properties and set like the example below.



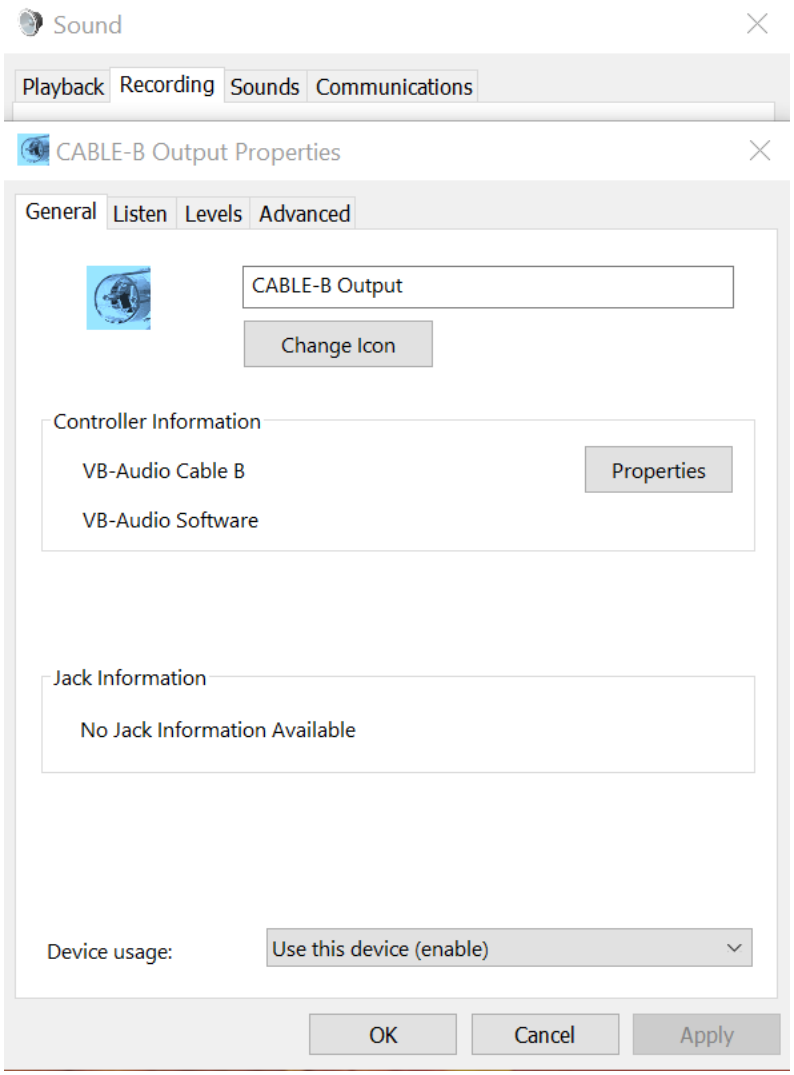
Next, click on the Levels Tab under Sound – Recording - Cable - A Output Properties and set like the example below as a starting place.



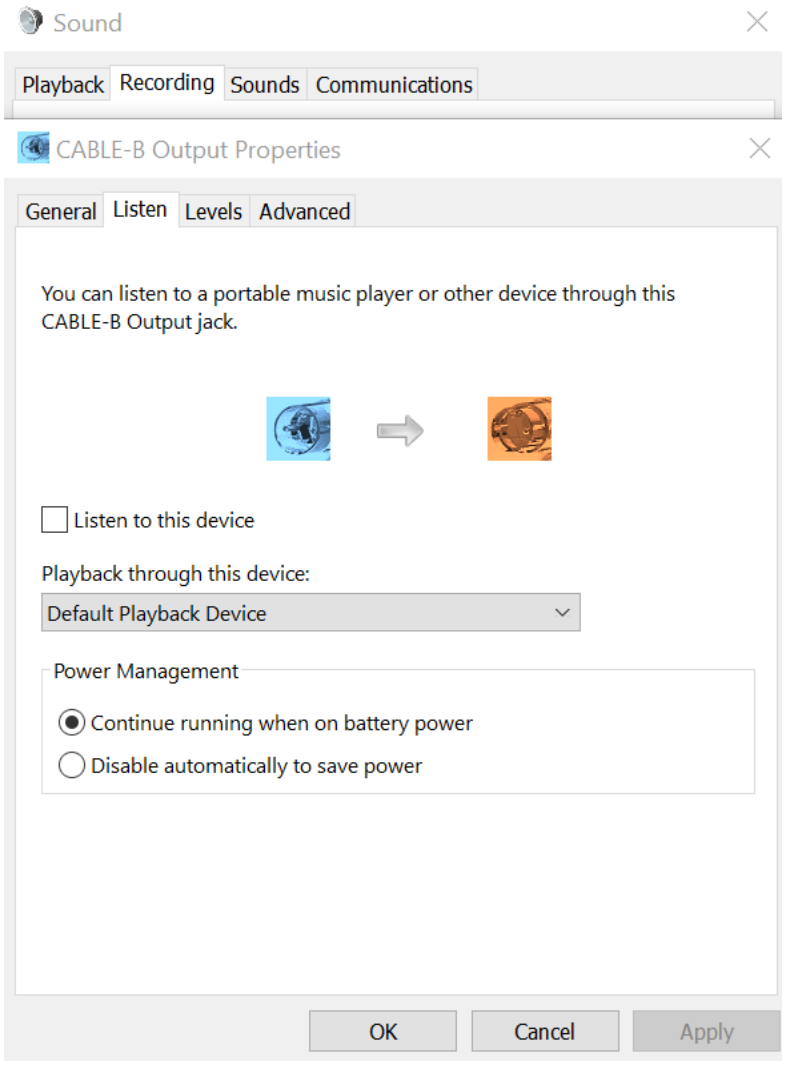
Next, click on the Advanced Tab under Sound – Recording - Cable - A Output Properties – Advanced Tab and set like the example below.



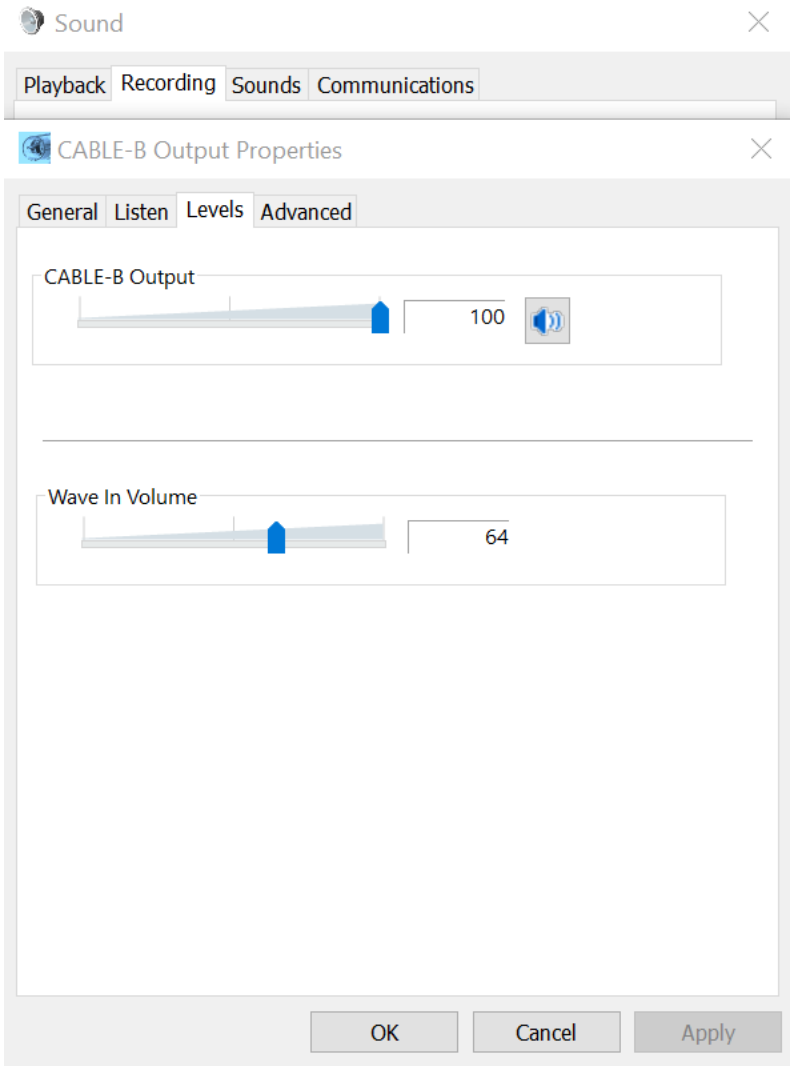
Under the Sound – Recording Tab, right click on Cable – B Output and select the General Tab Set as displayed in the example below:



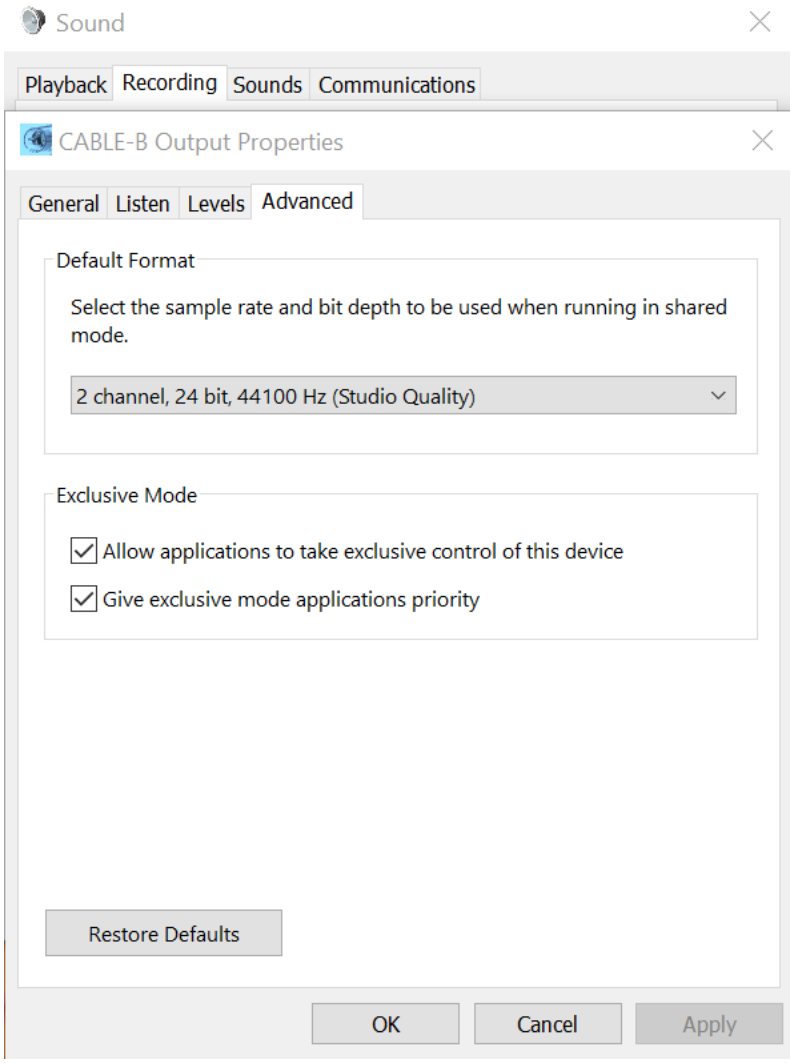
Click the Listen Tab under Sound – Cable – B Output Properties – Listen Tab and make your settings the same.



Next, click on the Cable – B Recording Tab - Output Properties – Levels Tab and use these settings as a starting point.

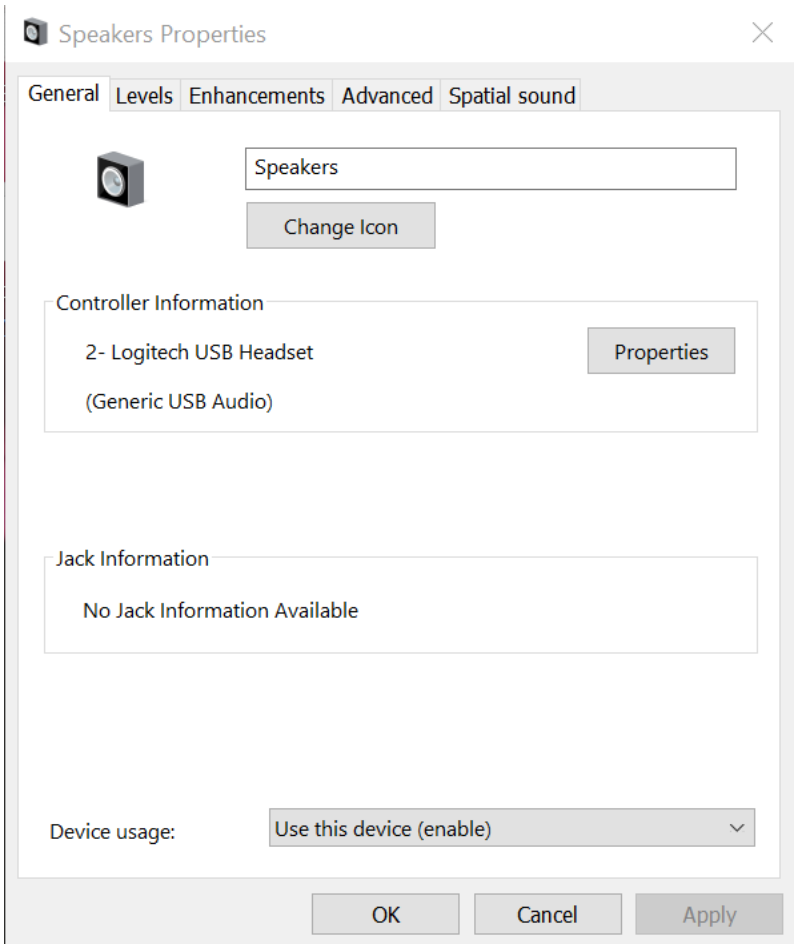


Next, click on the Advanced Tab and set this window up just like the example and click OK.

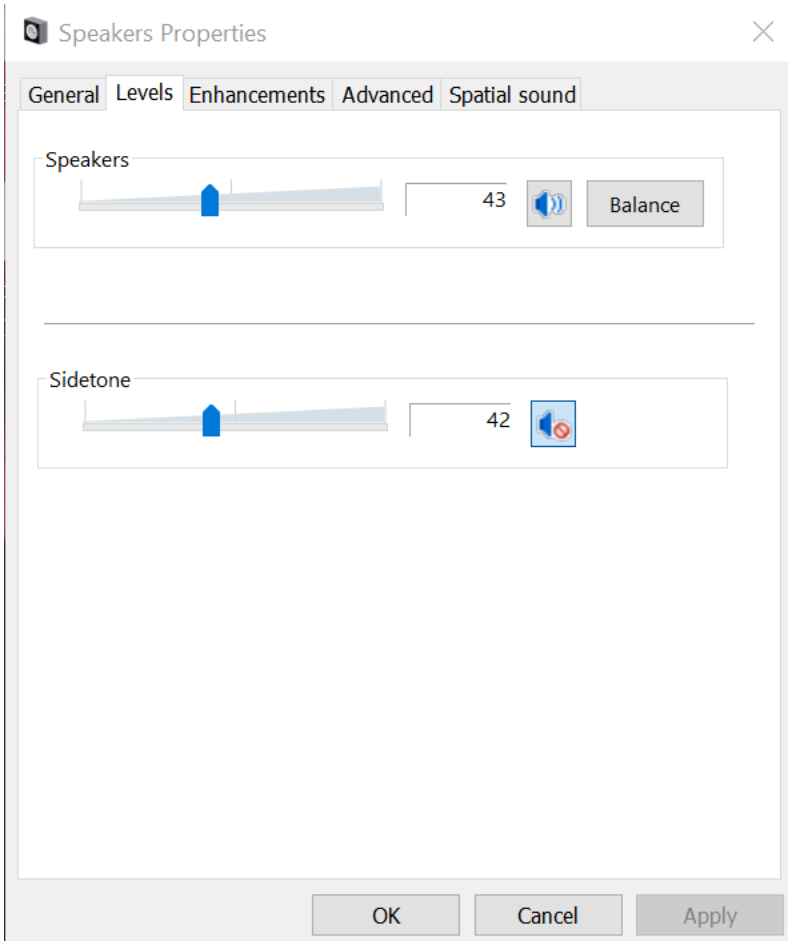


Under the Sounds Tab there is nothing to set. In the Communications Tab, click on Do Nothing, then click on OK.

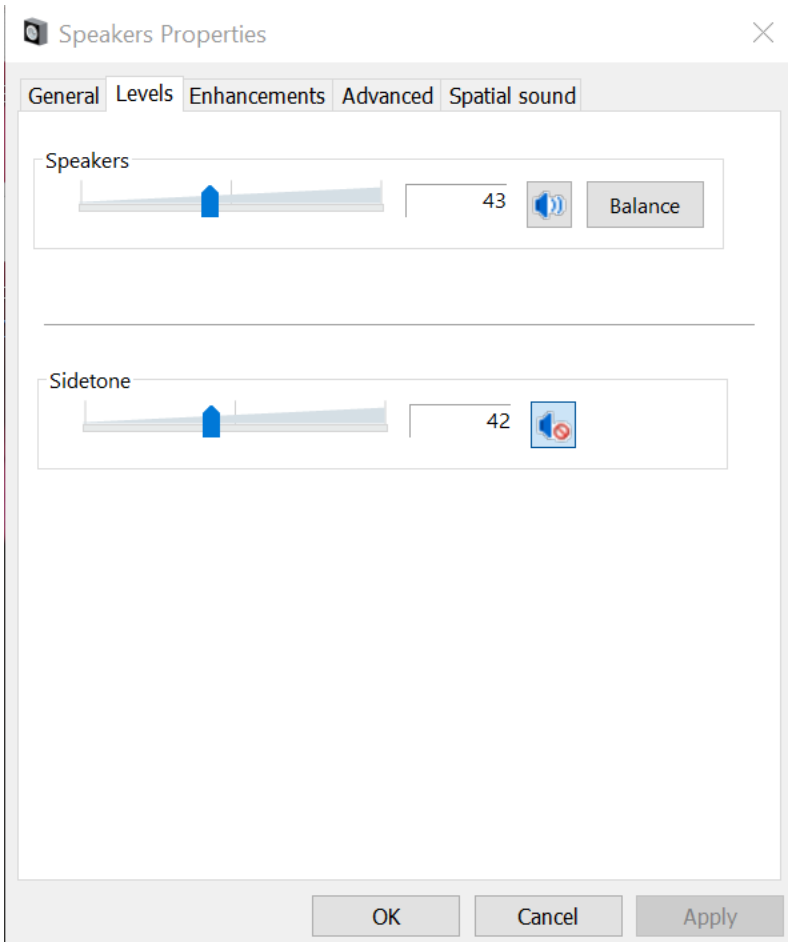
OK, there's one last sequence of settings and the setup is complete. Open Sound by right clicking the Speaker icon in the bottom right side of your PC screen. Click on Playback Tab, click on Speakers to highlight it then right click and choose Properties. Left click Properties and you click on the General Tab. Set yours to look like the example below:



Click on Speaker Properties and Levels. Use these starting settings in the example below:



Skip the Enhancements Tab and click on Advanced. Setup this tab on your PC the same as below as a starting point. We have Sidetone muted so we don't hear the audio from FT8.



Last, make sure the Spatial Sound Tab is set to OFF.

That's it so you now have the complete setup for WSJTX, N1MM+ and your PC Sound Settings to Operate FT8/4. Give it a try and have fun. 73' from the BeLoud group!