

How do I get started with FT8 at least?

Now I want you download the following application.

Go to <https://physics.princeton.edu/pulsar/k1jt/wsjsx.html>. Move down the page to Installation Packages, and you should see the packages for your operating system. Download and install (in my case I downloaded wsjsx-2.4.0-win64.exe)

Ok you should now have those packages installed and we now need to prep your radio.

This table has been recently updated on 1st Feb 2022 using a Xiegu G90 Firmware 1.78b1

G90 Modification for Digital Modes	Instruction 1	Instruction 2	Instruction 3	Orig
> Set Mode to USB (Upper Sideband)	Keep pressing <b>Mode</b> Button on Top until USB shows on screen	Screen should now show <b>USB</b>		
Turn RF gain to 50%	Press and hold AGC button for one second and release,	Screen should show <b>RF Gain XX%</b>	Rotate the Tuning knob until showing <b>50%</b> and depress knob to set.	
Set MIC Gain to midrange	Momentarily press the FUNC button and the Orange LED should light up	Press <b>POW</b> button <b>once</b> and <b>MIC Gain XX</b> should show on Screen	Rotate the Tuning knob until showing <b>10</b> and depress knob to set.	
> Set Correct Line in	Momentarily press the FUNC button and the Orange LED should light up (if not already)	Press <b>POW</b> button <b>twice</b> and <b>INPUT LINE</b> or <b>MIC</b> should show on Screen	Rotate the Tuning knob until <b>INPUT LINE</b> is showing and depress knob to set.	
> Speech compression off	Click <b>CMP</b> Button	It will toggle a Microphone Icon near the top of screen	Click this until the Microphone Icon is not showing	
AGC Off	Click AGC Button	It will toggle AGC options showing at the top of screen.	Keep pressing until it shows <b>AGC—</b> (so not F or S or A)	

Set AUX IN Volume	Press and hold the FUNC Button until screen menu pops up. Cycle with VM (Next) Button until option number 5 (AUX IN VOLUME X) shows	Rotate the tuning knob until it shows 8	Press the CMP (Save) button	8
Set AUX OUT Volume	Press and hold the FUNC Button until screen menu pops up. Cycle with VM (Next) Button until option number 15 (AUX OUT VOLUME X) shows	Rotate the tuning knob until it shows 15	Press the CMP (Save) button	
Turn Off Noise Blanker	Press NB button and will show NB SW XXX	Rotate the tuning knob until it shows OFF	Depress the Tuning Know to set	
Set PREamp off	Click PRE Button	It will toggle P and A and blank on Screen	Keep pressing until not showing P or A onscreen	

Now don't get hung up on the settings too much, but concentrate on the ones with a > symbol at the front. My initial tests had these basic settings, and I still received FT8 Transmissions. However this all depends on your environment, your equipment, your noise floor in your area.