Introduction to gqrx

Click 'Configure I/O Devices'



Ensure your device is selected in the 'Device' drop down list

	C		
Device	Realtek RTL2838UHIDIR	sr 🌲	
Device string	rtl=0		
Input rate	1800000	•	
Decimation	None	*	
Sample rate	1.800 Msps	11424	
Bandwidth	0.000000 MHz		
LNB LO	0.000000 MHz	+ -	
Audio output			
Device	Default	¢	
Sample rate	48 kHz	÷	

Click the 'Start DSP Processing' button to start receiving:



Tune the frequency digits to a known strong station, e.g. local FM broadcast station



Select the Input Controls tab

Input controls	Ø	×
LNB LO	0.000000 MHz	•
Hardware A	GC	
LNA gain	22.5 dB	
IF gain	27.0 dB	
🗌 Swap I/Q	🗌 No limits	
🗹 DC remove	☑ IQ balance	
Freq. correction	-10.0 ppm	•
Antenna	RX	

Tick Hardware AGC (I find this to work better on RTL devices than adjusting the LNA and IF gain individually)

Select Receiver Options tab

Receiver Options	5			ð
-2	04.	95	0	kHz
Hardware freq	Þ:		96.6	02950 MH
Frequency		96398.000	📜 kHz	:
Filter width	User (202 k)		÷	
Filter shape	Normal		-	
Mode	WFM (mono)		•	
AGC	Medium		•	
Squelch	-150.0 dB	A		R
Noise blanker	NB1	NB2		

Change mode to WFM(mono) if receiving an FM broadcast station Click the 'R' button to the right of Squelch to turn off squelch

Select Audio tab



Move the Gain slider to the mid point

Adjust the audio output device on your computer to ensure that gqrx is being output to the audio device your speakers are attached to and ensure the seaker volume is adjusted to a suitable level, e.g. on my Ubuntu machine:

			Volume Contro	d	(• _ E
Playback	Recording	Output Devices	Input Devices	Configuration	
📣 Syste	em Sounds				a(1))
Silence			2	100% (0dB)	25% (-35.98dB)
GQR	X : Audio output	on		USB Audio Device	Analogue Stereo 🛯 🐠 🧧
				. 70	

If none of helps then run gqrx from a terminal window and post the output to the mailing list so we can see what messages are being output.