

Little read-me for beta testers

This version broadcasts on the Tioune Monitor video captures but also the photo of the spectrum with the names of the stations. (Mixed Mode is my preference)

I have now added the ShowNext option which will show the next station when the received station stops. This allows, among other things, to send on his TiouneMonitor 24 hours a day everything that appears on QO100. It could be very useful for a DATV relay too.

I also added **the display of the % of Null Packets** in real time, more efficient than the use of TSreader which gives an average and where you have to press F6 very often if you want a follow-up or if you change station

(I'll add the same for the % of video and % of audio)

Now the Mute button set remains muted even if you change of station. (more convenient does it seem)

Attention!

the .ini file is again different, starts by using the **one provided and edit it later.**

No instructions yet

I never use the STOP button or the SR or SR-125 round option

I like to click on the numbers/names of stations in the spectrum

The MiniTiouner-Express can now be used

1.5 or 2x faster than the first version and less CPU%

You can change the Y position of the spectrum according to your LNB, adjusting it for each QO100 button in the .ini

On my PC I7 the Fine scan time is plus or minus 9.3 sec and 4.7sec if I'm not fine
If you don't want the stations below SR125 the non-Fine mode may be enough

with my PC_I7 scan time is more or less 10sec (9,3sec or 10,1sec)

But also works well on my CHUWI tablet with Atom processor, the Finescan takes then about 16 to 18sec
CPU at 60%

Thank you for telling me if there are any problems...

FAQ

I don't know if you can send the TS to a multicast address, to retrieve it from another VLC or analysis tools,

ScanandTioune works continuously by sending the TS stream through UDP to the VLC Dll. The UDP address used is displayed at the top right. The port is automatically decrepit if you launch several simultaneous instances to run 2, 3 or 4 Scan and Tioune at the same time. If the IP is 127.0.0.1 it will be virtual local UDP that does not clutter a local wifi or ethernet network and it allows to work even if you have no network, for example mobile. but with this address it seems that it works in unicast.

If you change this address in the.ini by a multicast IP like 232.0.0.1, you can launch as many external VLCs or TSreader. of course, the stream will also run on the Wi-Fi or Ethernet network (depending on the interface address shown in the .ini), so that all your PCs on the network will also be able to receive the feed

or whether it is possible to control the tuner by receiving udp messages.

It's not in the priorities because I do not know if it is useful with this standalone scanner mode and it's going to be the souk with the scanner that sends search messages from the stations detected at the Tuner.

you have to think of a way of operating not too head-on. Otherwise it's not too complicated to add.

But yes, finally, put a switch: receives orders from the internal scanner / receives orders from outside (e.g. TSA)

I also think that the scan of Scan and Tioune is really more powerful than the use of the SPECTRUM of the BATC, because

- we are autonomous, so we can operate in mobile, without any link with the Internet
- we really see what our NIM receives, it allowed me to detect interference or other bizarre phenomena. It should be remembered that the entry of the NIM has a very large bandwidth, no filter before the first LNA which can then be gene (its AGC begins to reduce the signal) by a signal **at 50 Mhz of the frequency listened to**, the 10 MHz filter of the tuner intervenes after. Inshort, there are a lot of stuff that OMs are not always aware of. so a strong signal at 50 MHz distance can screw up or a lot degrade the reception of a small signal that will be mitigated by the automatic AGC of the LNA.

in this case we have a better result with a FTS4335

- there are other high-performance possibilities for very low SR (if you can do well with the right calibration) with a very precise detection, which is very important for very low SR. I often see frequencies indicated by the BATC spectrum that are a few dozen kHz next to the real value and that, it can delay or prevent a lock on a station at SR33

I'll also have to test on 437MHz or 1255MHz, there are also things to do

Still, I find it magical to receive a station without knowing its exact frequency, its SR, its FEC its PIDs, in short: nothing to say, except on which band is the station.

In short it's enough fun for me and I never use Minitioune again, unless I need to receive a very low SR station (SR35)

I'll see what I can do to allow Scan and Tioune to receive SR33kS/s, but in this very low SR mode it will no longer be able to receive stations at SR33MS/s because currently I also use it to /detect/receive Broadcast stations.

Maybe that a special version HamRadio for SR33 to SR4000 would be sufficient

IF YOU HAVE IDEAS OR WISHES, NOW IS THE TIME...

73

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