

SDC

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About Program SDC

«Software Defined

Connectors» («SDC»).

Краткий обзор возможностей программы:

- "**ProFile Manager**". Работа с настроечными профилями программ 5MContest и ExpertSDR2.

- "**COM Spider**". Создание любых соединений COM портов. Перенос COM порта на удаленный компьютер. Формирование телеграфа на удаленном компьютере с использованием протокола ASC-команд (удобен для трансиверов, которые не обрабатывают CW по порту CAT). В протокол добавлены команды ускорения, замедления и немедленной остановки передачи. Передача CW манипуляции на удаленный компьютер с выдерживанием интервалов переключений. Подключение нескольких логов к одному трансиверу.

- "**RIG Sync**". Синхронизация приемников и трансиверов любых типов. Используется своя система опроса, позволяющая реализовать быструю синхронизацию. Возможна синхронизация с клиентами OmniRig и SDR программами, поддерживающими протокол ExpertSync по TCP соединениям, или TCI интерфейс.

- "**Telnet Server**". Позволяет организовать свой telnet server для сбора спотов из множества источников и передачи их через один порт. Может автоматически запускать скиммеры из раздела SKM Server. Telnet Server "понимает", кто к нему подключается и может запускать соответствующие профили для программы 5MContest и других логов. Суммирует и передает споты на панораму программы ExpertSDR2. Интеграция с 5MContest, N1MM, LogHX и др.

- "**SKM Server**". Организация и подключение скиммеров телеграфных, RTTY и PSK сигналов к трансиверам и приемникам, работающим под управлением программы ExpertSDR2.

- "**DIGI Server**". Цифровой модуль для подключения к внешним логам и автономной работы. Имеет встроенные модуляторы/демодуляторы для RTTY45,75, BPSK31-125. Для его работы используется только TCI. Для подключения логов каждый модуль имеет встроенный Telnet Server.

- "**MACROS Server**". Панели кнопок для передачи макросов в CW, DIGI, SSB через TCI.

- "**Remote Audio & COM port**". Создание удаленных подключений для передачи аудио потоков данных и COM-портов.

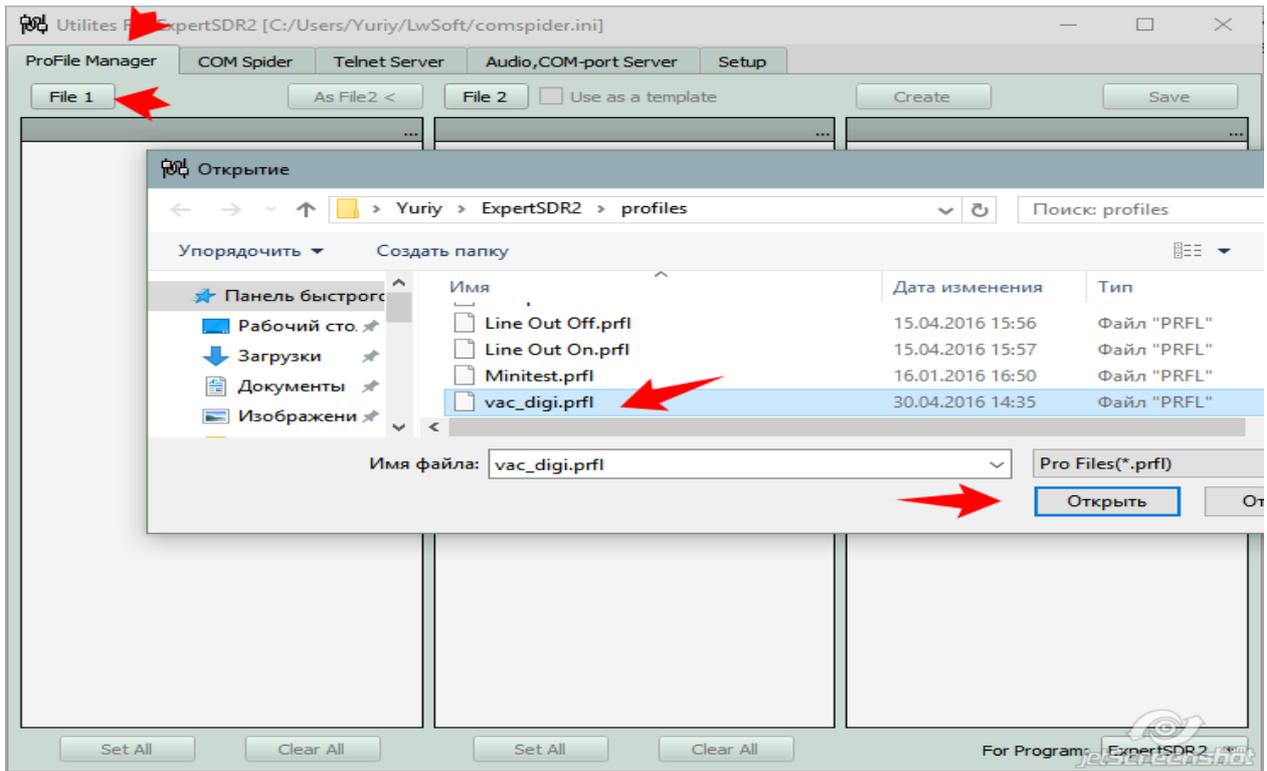
- "**Mixer**". Создание всевозможных соединений и разделений аудио потоков.

- "**Audio Scope**". Окна для анализа спектра и временной развертки аудио сигналов.

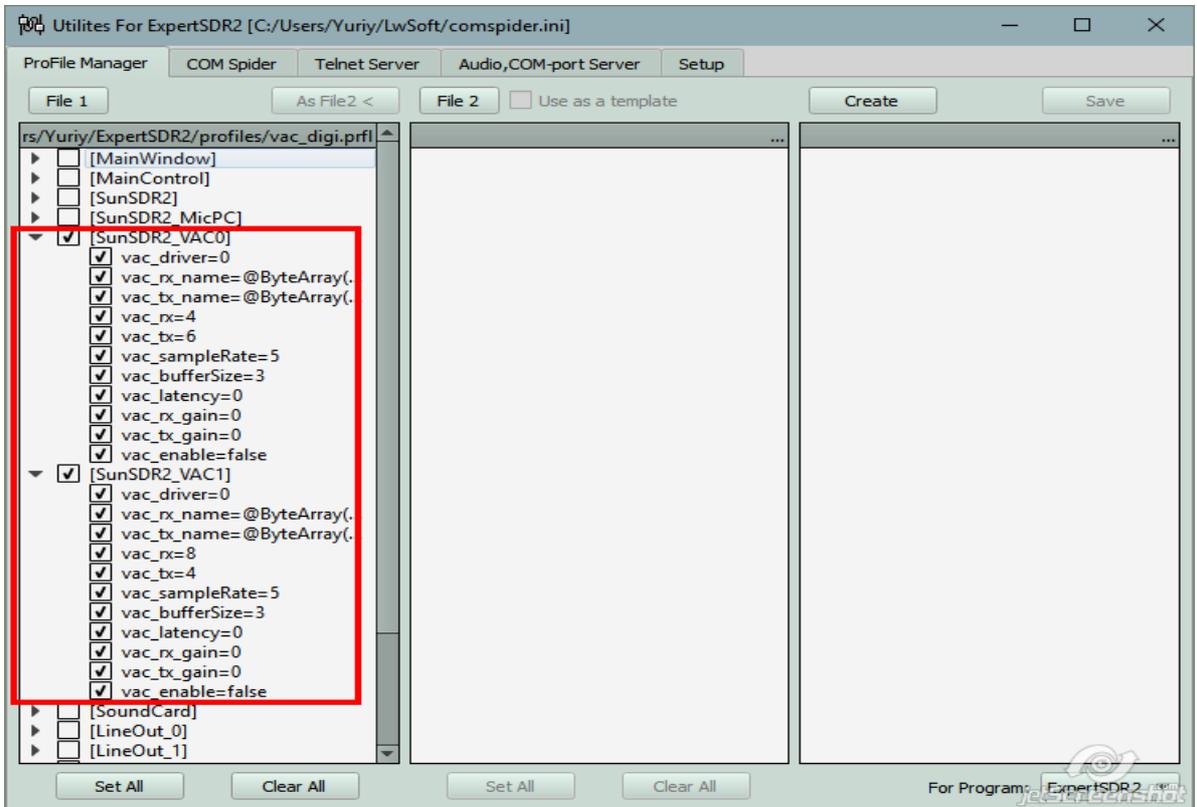
- "**PA**". Управление усилителями мощности.

- "**SWR Meter**:" Графики KСВ для анализа. Используется протокол TCI.

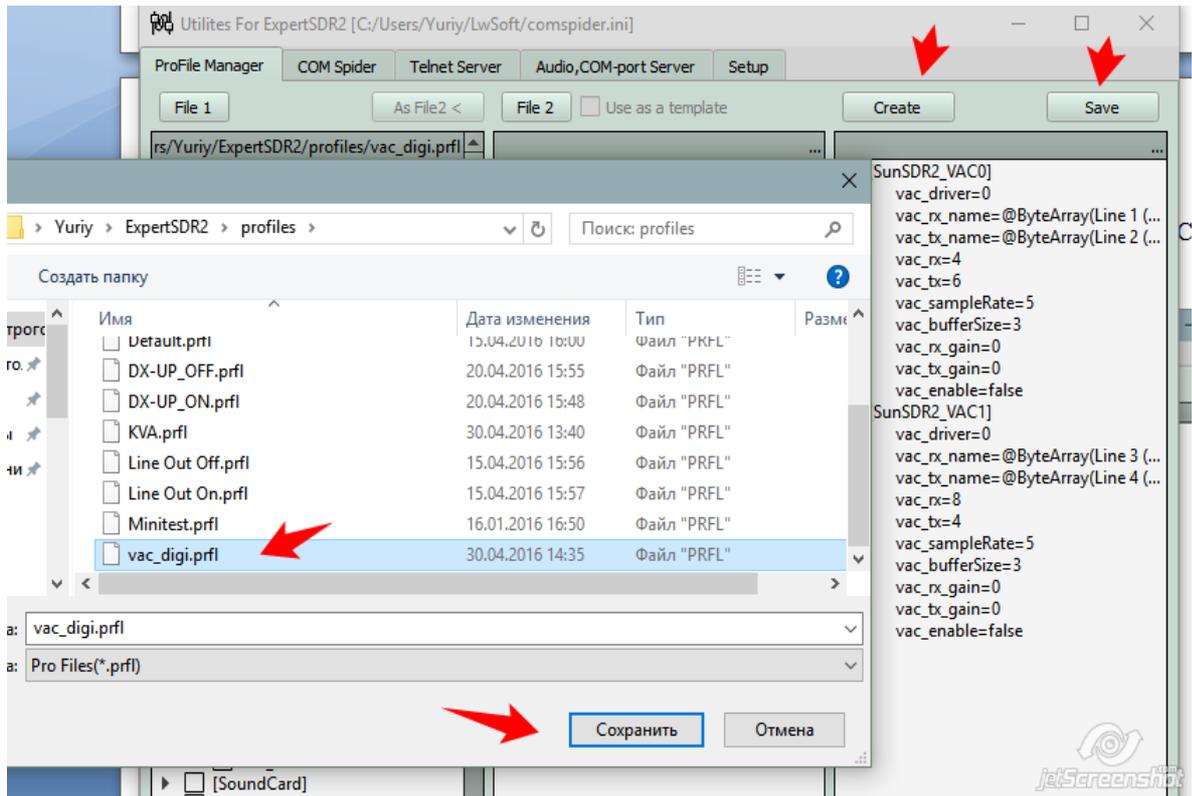
- "**OTRSP**:" Управление звуком трансивера через протокол



, VAC, « » , VAC :



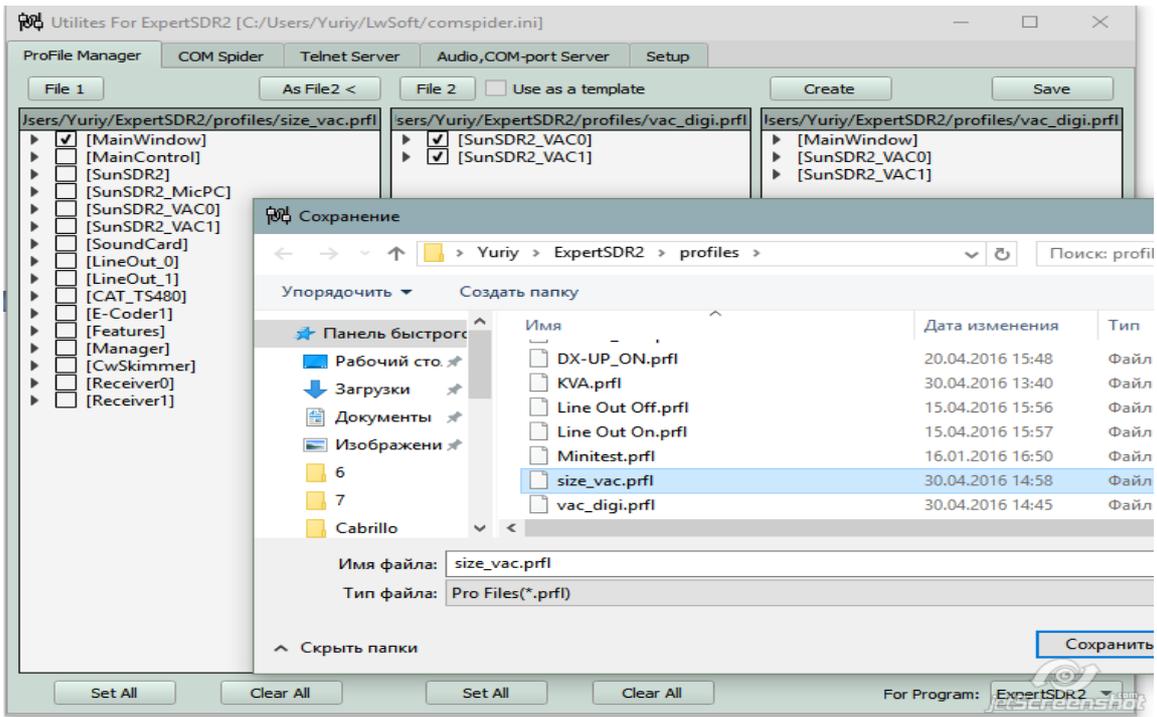
[Save] , [Create] – « » :



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Создание профиля из двух ранее сохраненных профилей

1.1. , «size_vac», «SDC»
 [File 1], [File 2] , («vac_digi»):



[Create]

Обновление профиля (As File2)

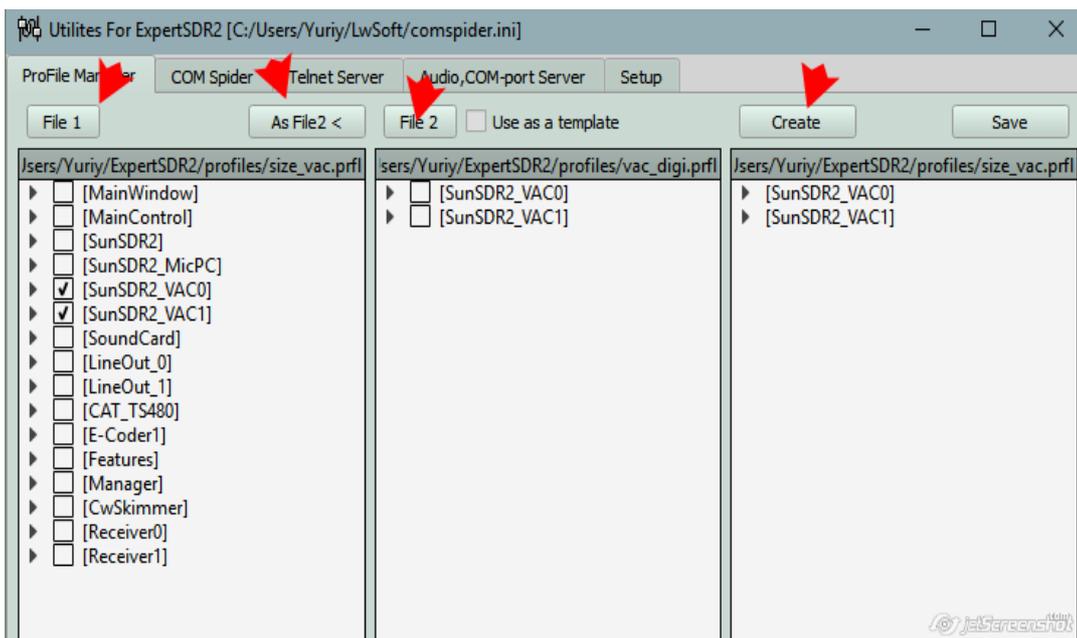
« »

«SDC»

[File 1], [File 2].
[As File 2].

[File 1]

[File 2]:



[],

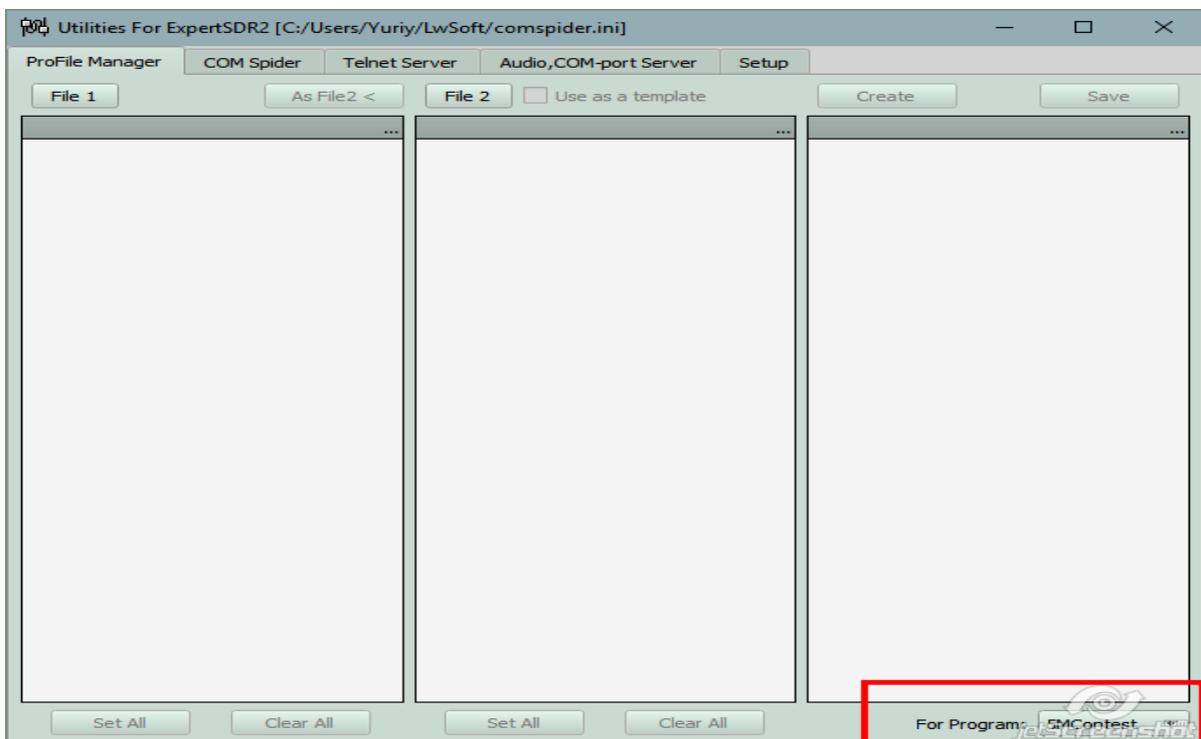
[],

Обновление профиля (Use as template)

». [Create], «Use as a template», « »»,

Работа с профилями программы 5MContest

«For Program:» 5MContest

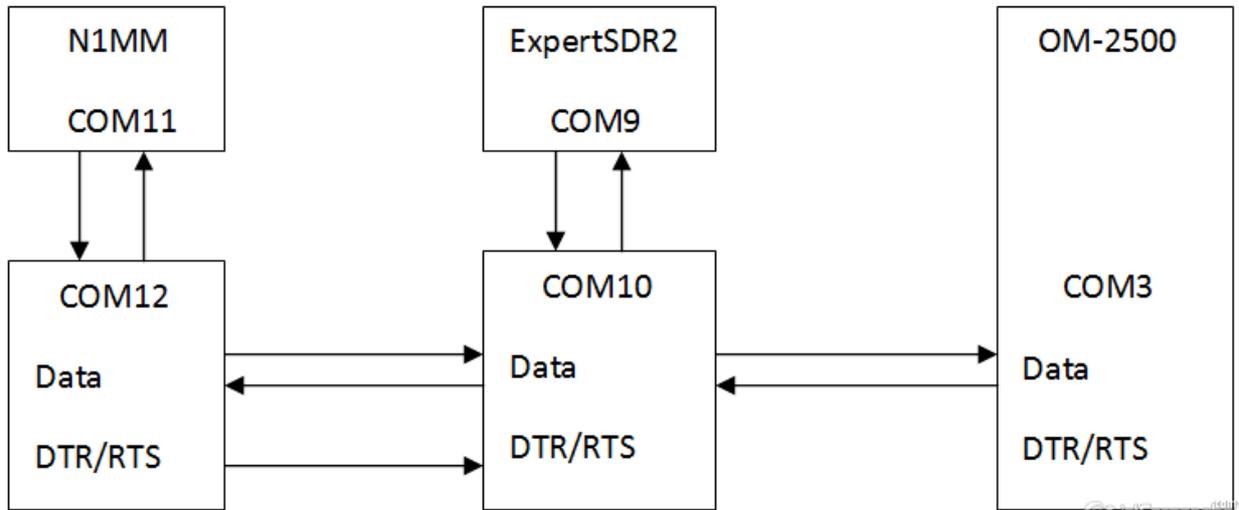


ExpertSDR2. 5MContest

COM-Spider

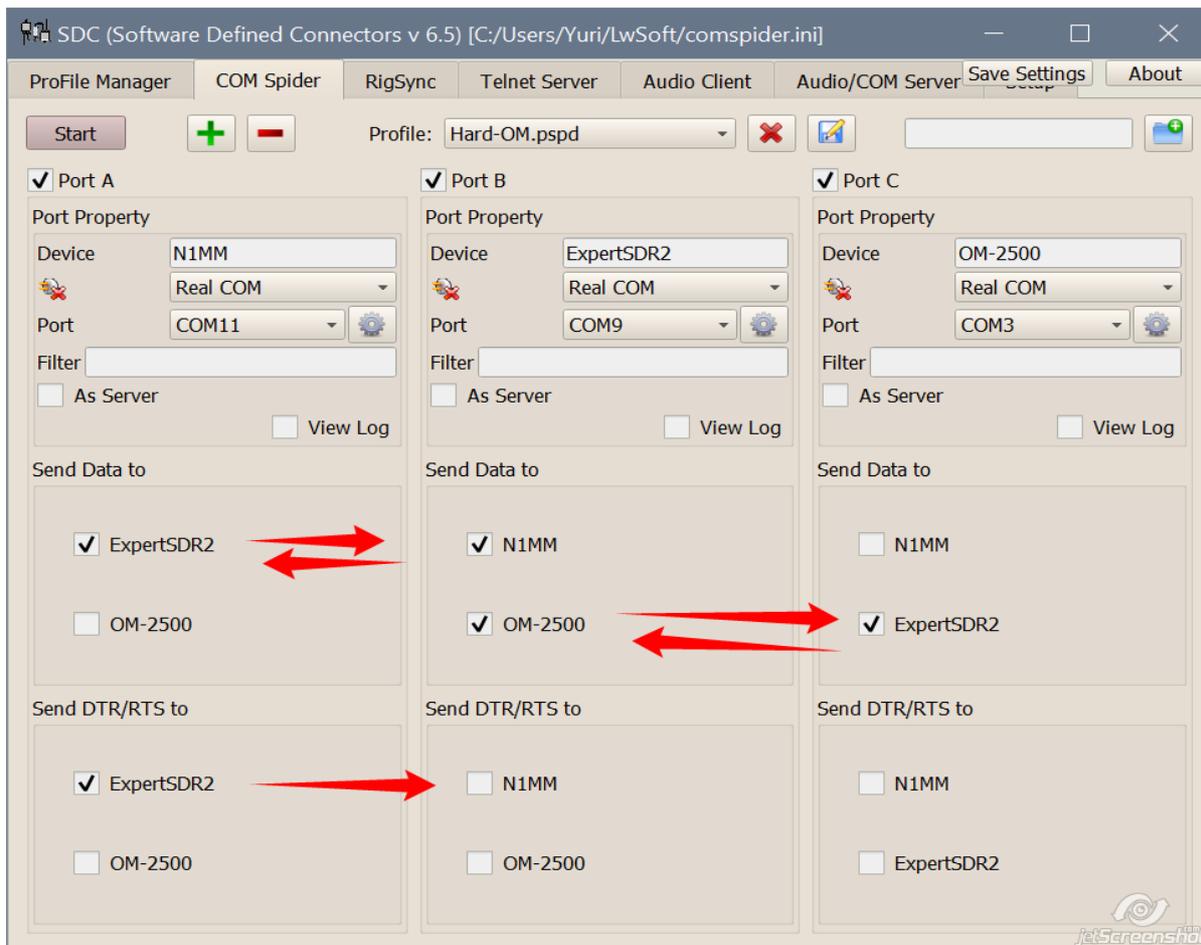
Создание соединений COM-портов

«SDC» - , ,
 , COM3, -2500.
 10 (9- 10), 9 SunSDR2.
 12 (11- 12), 11
 ,



bits...).

«SDC»	DTR/RTS (PTT CW)	[+]	: A, B, C .
COM11, COM9, COM3,	“Send Data to”	11	9.	(Baud rate, Data
ExpertSDR2.	9 -	ExpertSDR2.	“Send DTR/RTS to”	11
“Send Data to”	9	11	3 -	PTT/CW
“Send Data to”	3	9 -		



[Start]

[Add]

[Add].



[Upd],

[X].

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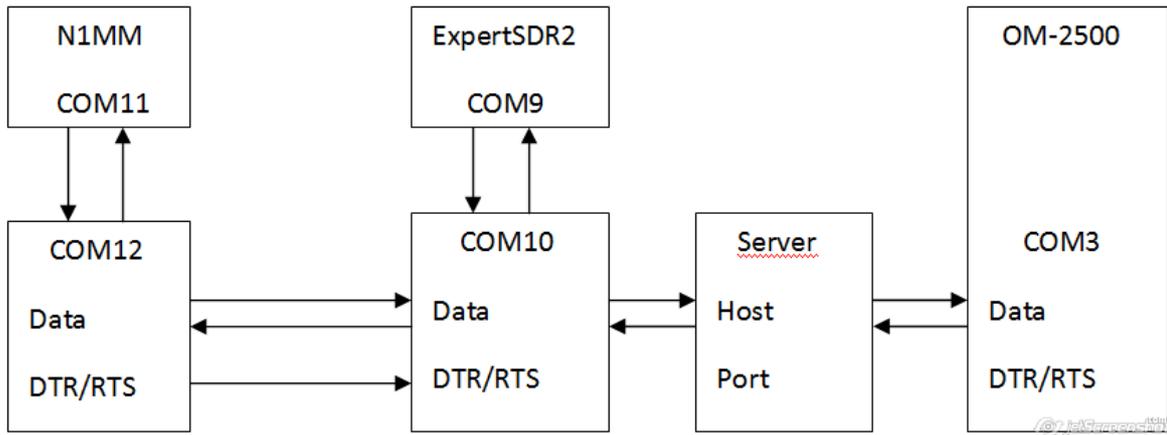
Соединение COM-порт – Сеть – COM-порт

(-2500)

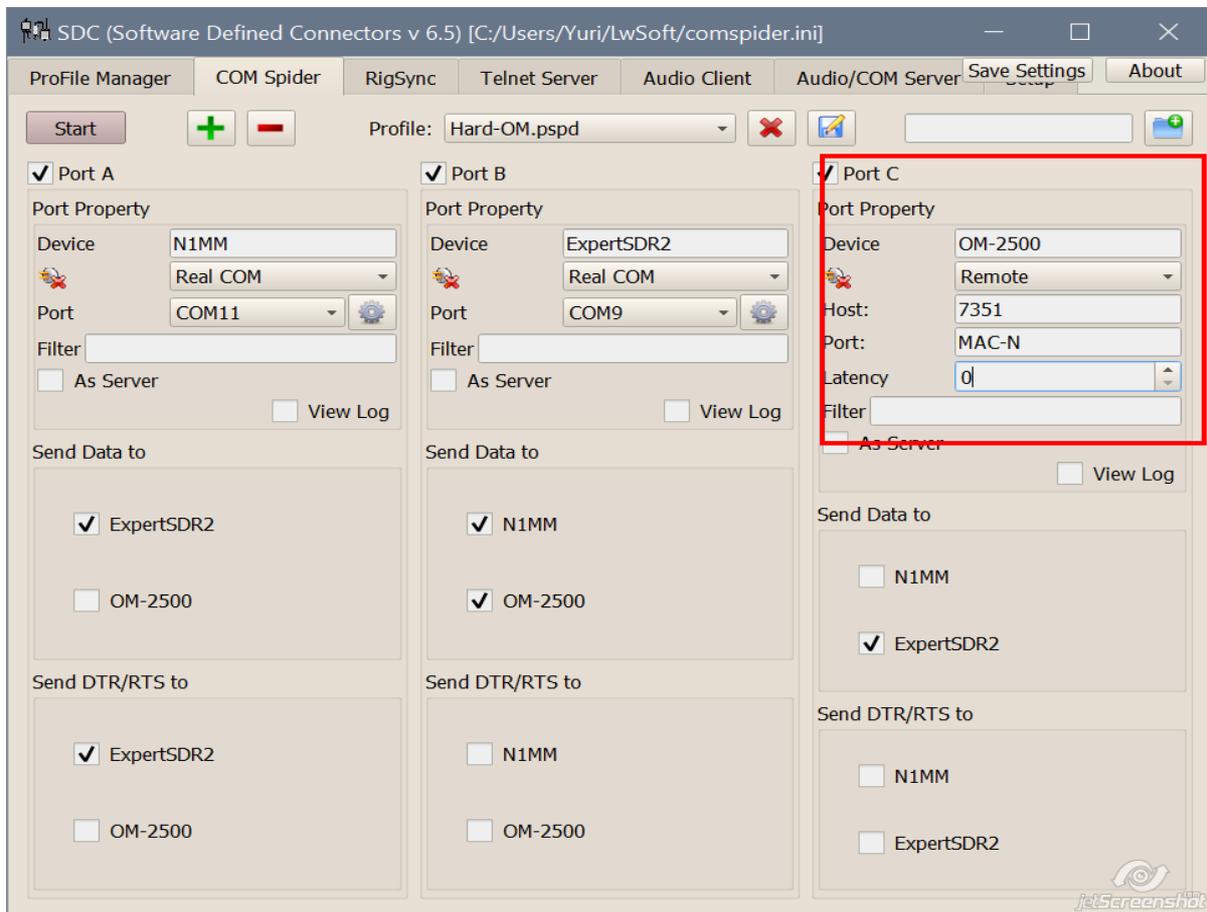
«SDC»

3. “SDC Server” –

SDC

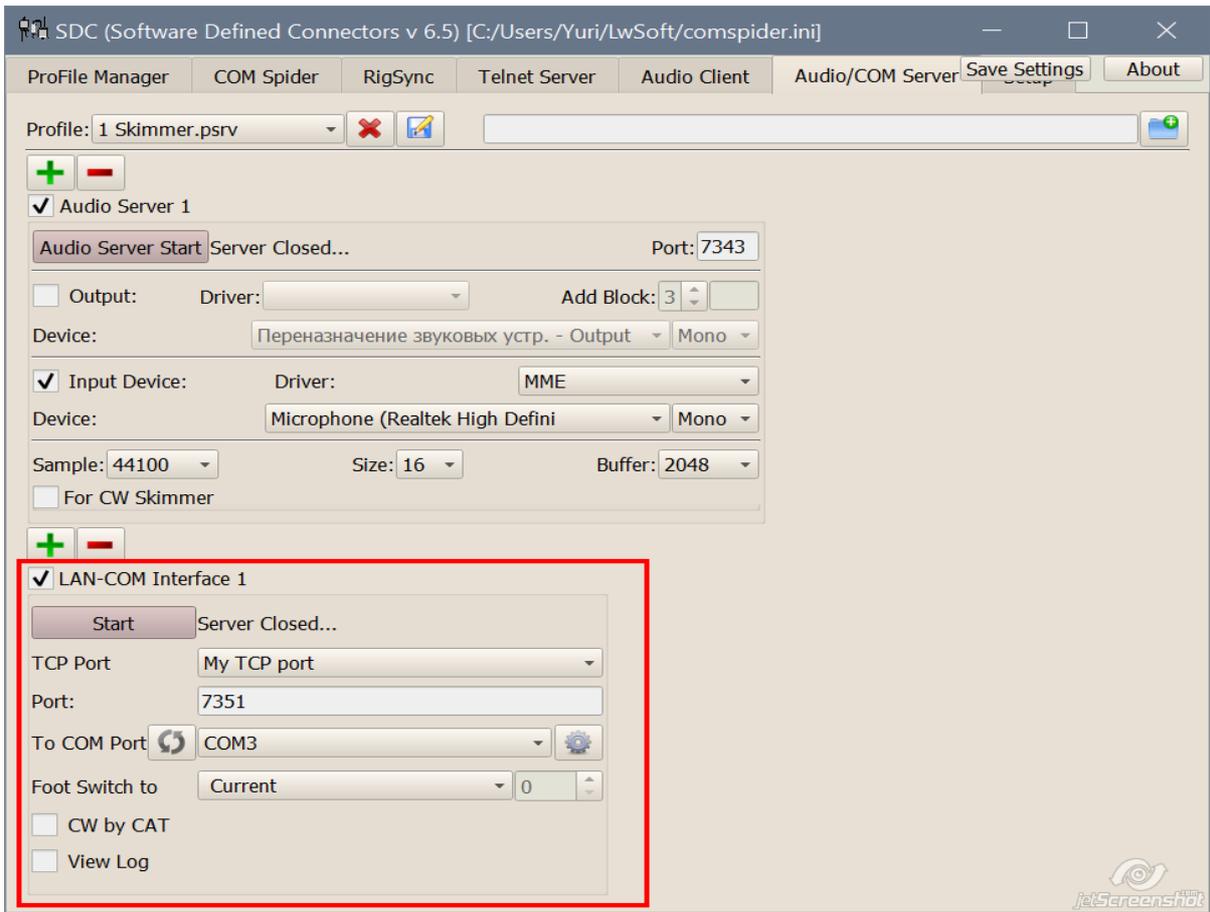


«SDC»



«LAN-COM interface 1», «SDC» «Audio/COM Server », ([Start].
 3), (, 7101)

! TCP RTS DTR.
 «Latency». CW «Latency»
 50-200

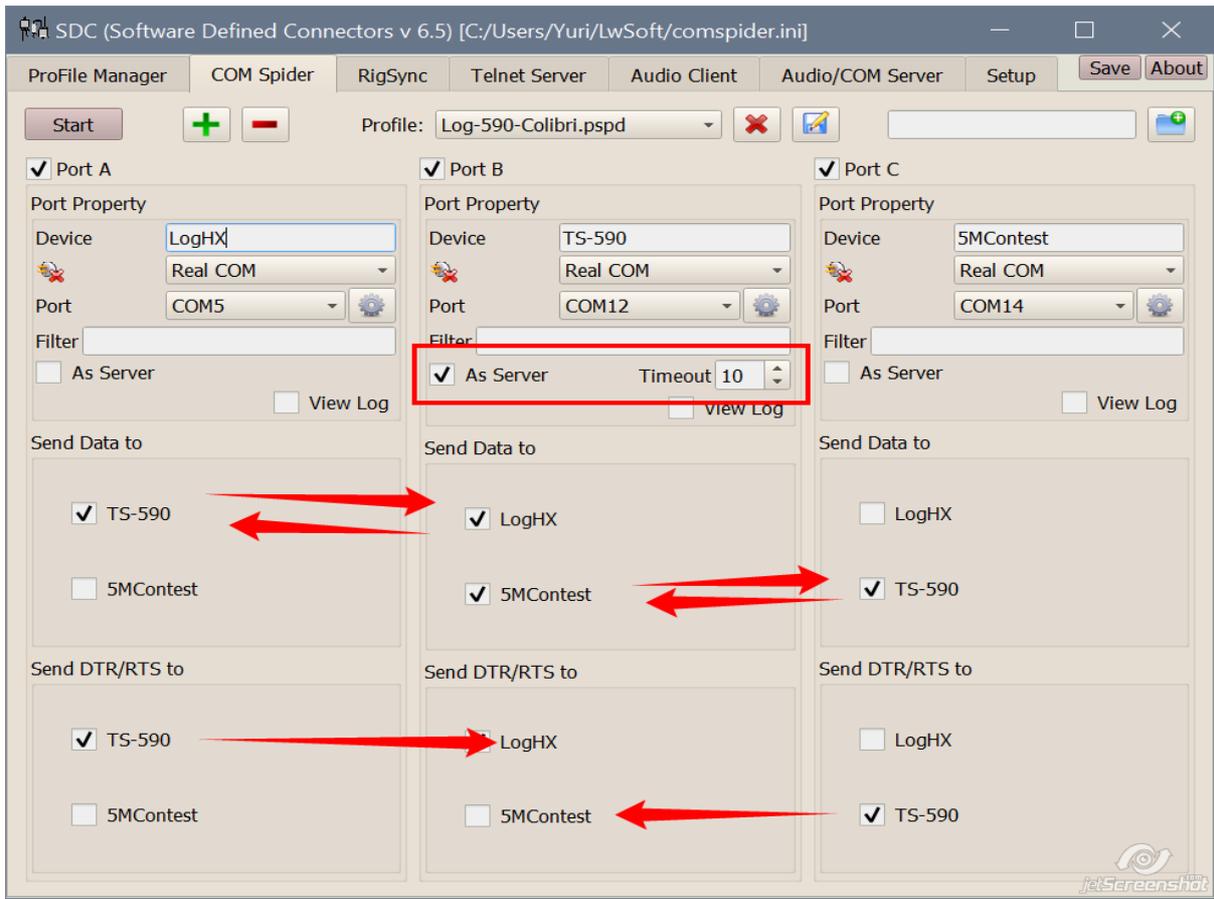


« »
SunSDR2 (PRO).

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Порт «as Server»

«as Server»
«Send data to», « »
«as Server»,
(«as Server»)
«Timeout»,
«as Server»
«OVF!».



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Filter

«COMSpider».

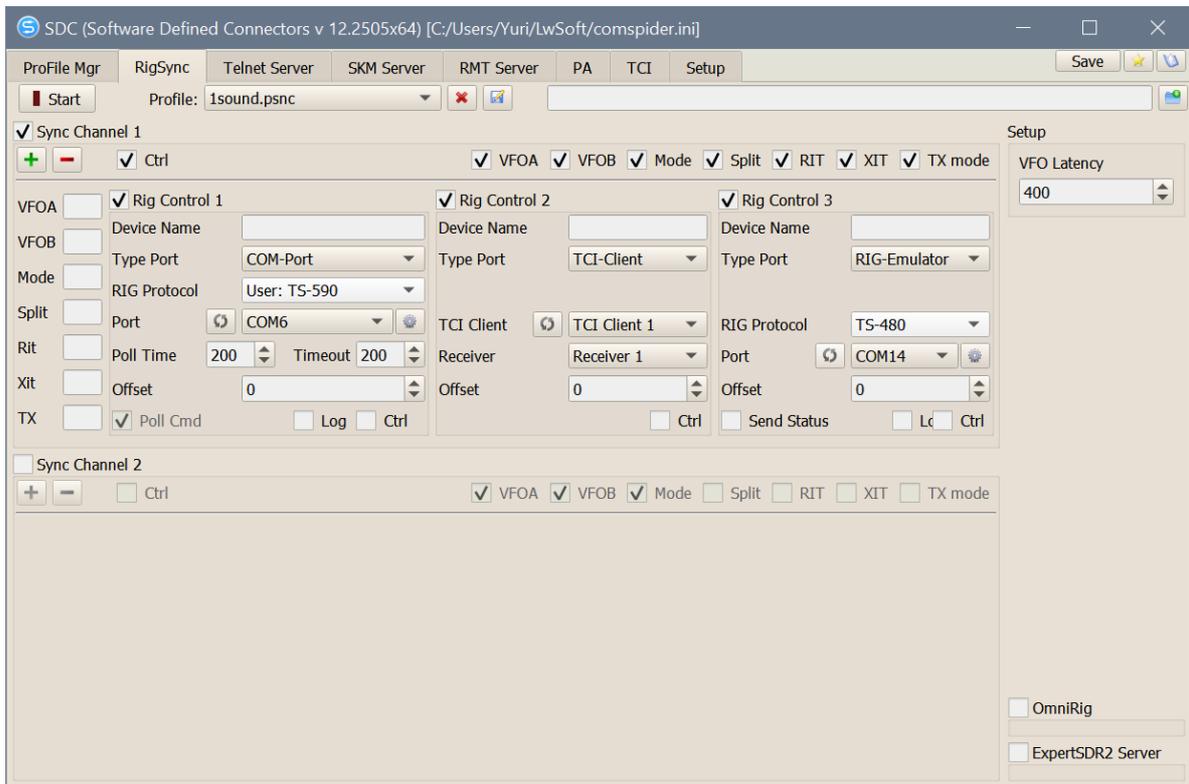
« ».
 «FA», «FB» : FA|FB
 « ».
 «FA» «FB» : !FA|!FB
 HEX, , &FDFF –
 FDFF.

RIG Sync

SDC (Software Defined Connectors v 12.2505x64) [C:/Users/Yuri/LwSoft/comspider.ini] () VFO, OmniRig, ExpertSDR2.

Синхронизация по протоколам CAT с использованием COM портов.

SDRuno, TS-590 SDR, TCI



«Rig Control» - (Sync Channel 1).
 Device Name – TS-590,
 RIG Protocol – ()
 Port –
 Poll Time –
 Timeout –
 Poll cmd –
 Offset - 1000,
 1

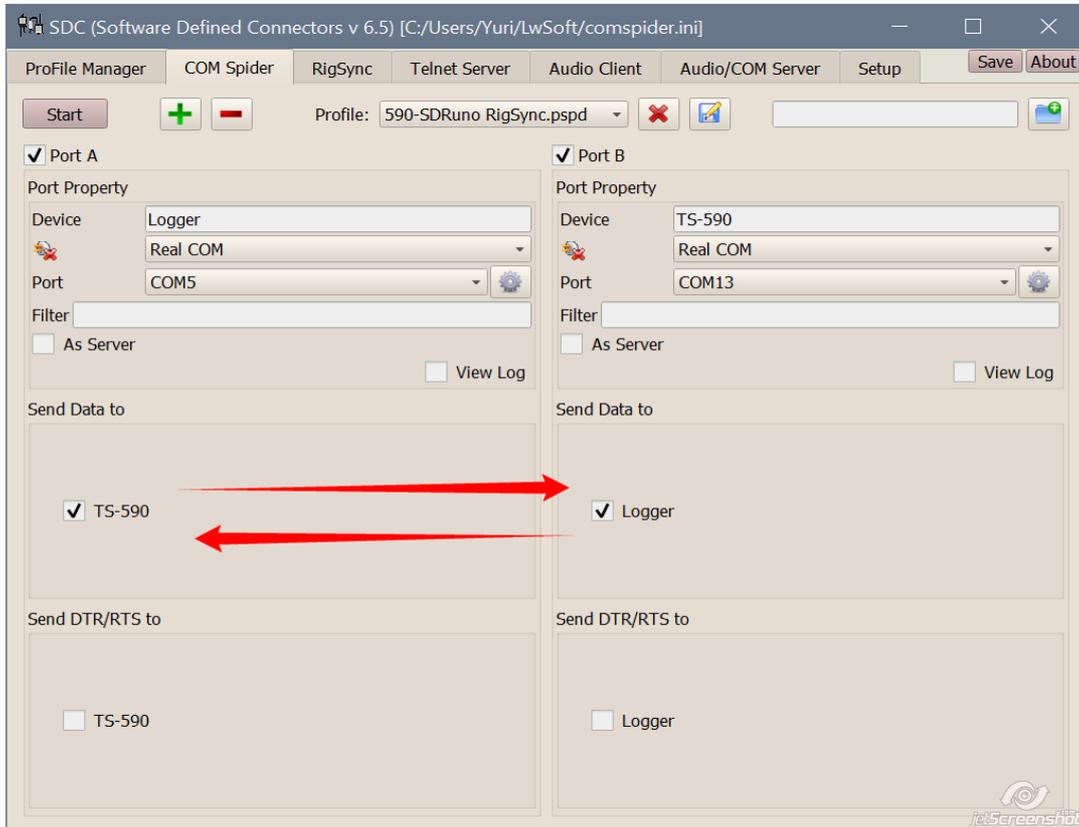
Синхронизация по протоколам CAT с портами, открытыми в COM Spider

() « »

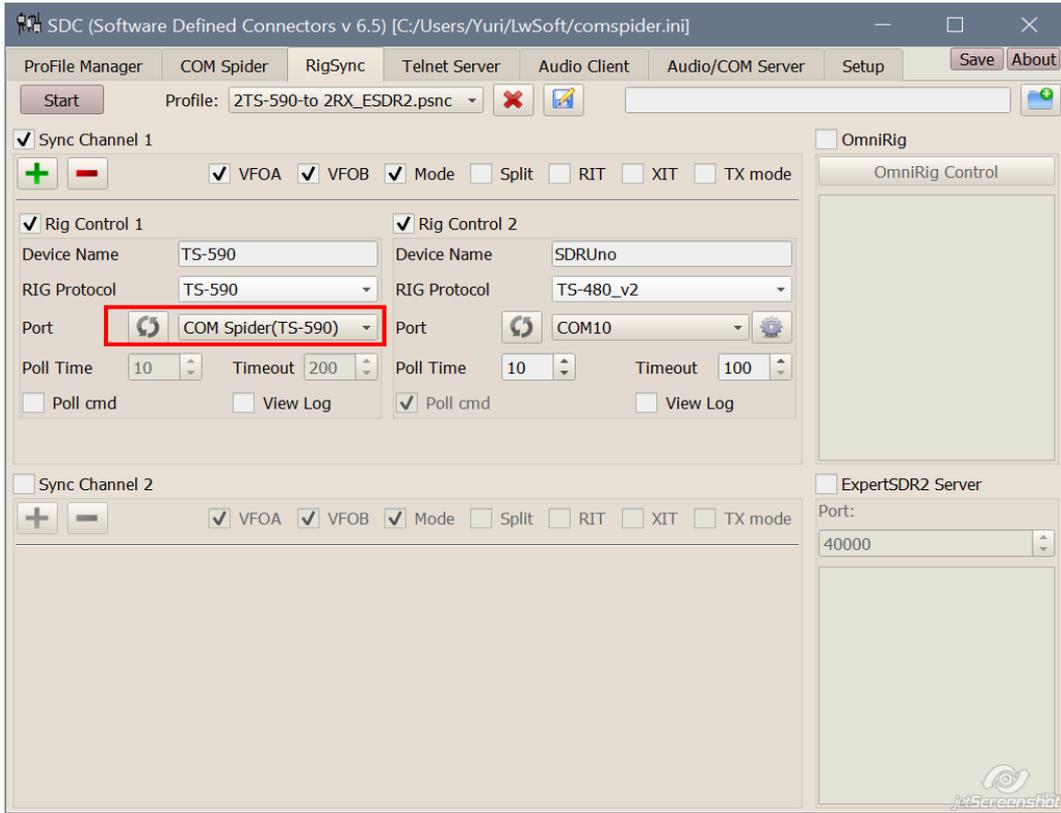
Режим «подслушивания»

<< >>

OM Spider:

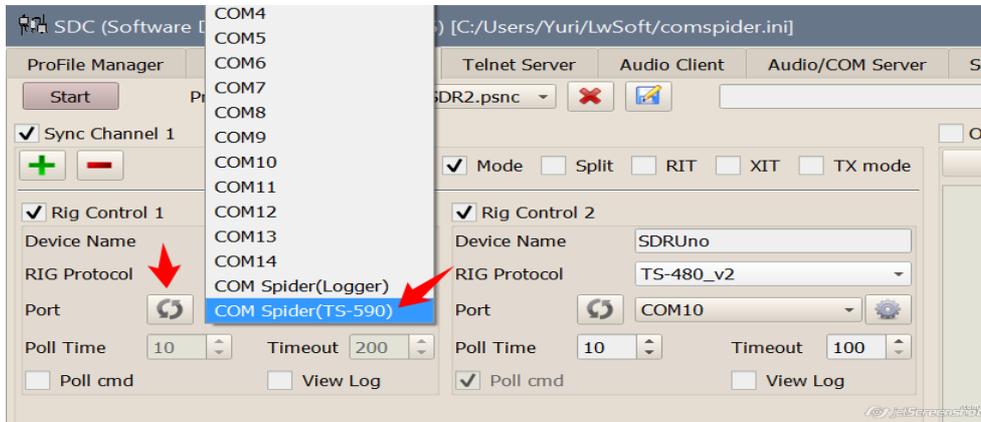


RigSync :



«Port»

«COM Spider».

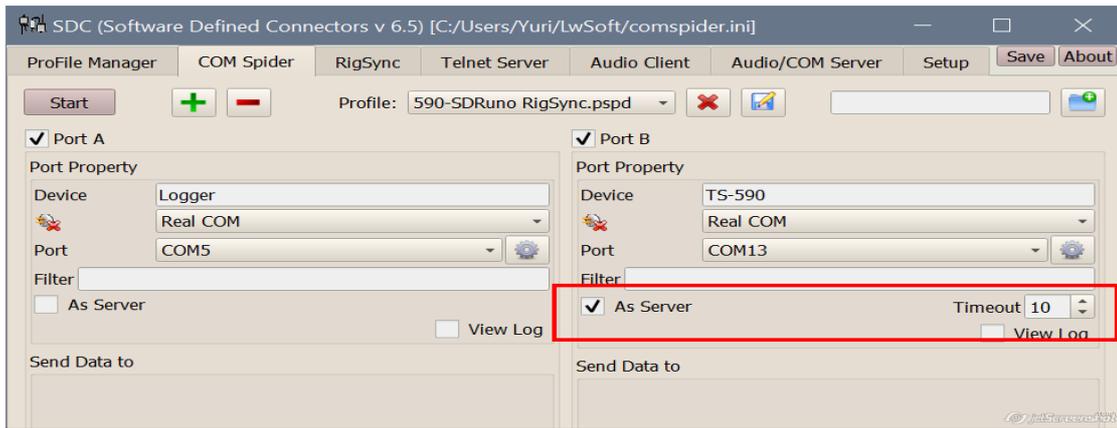


«

«RigSync»
(SDRuno).

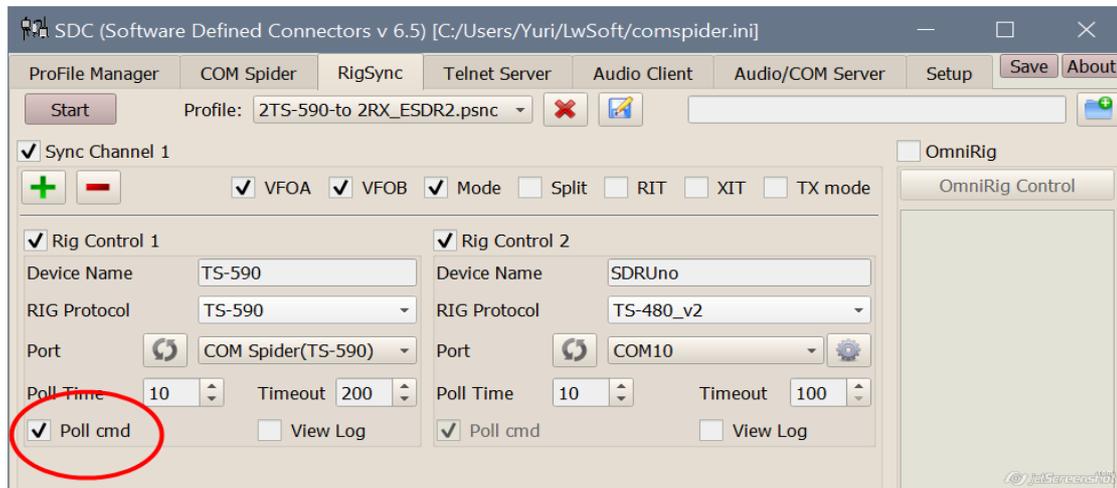
Режим с опросом порта основного трансивера

«RigSync»
«as Server»:



«RigSync»

:



(Poll Time)

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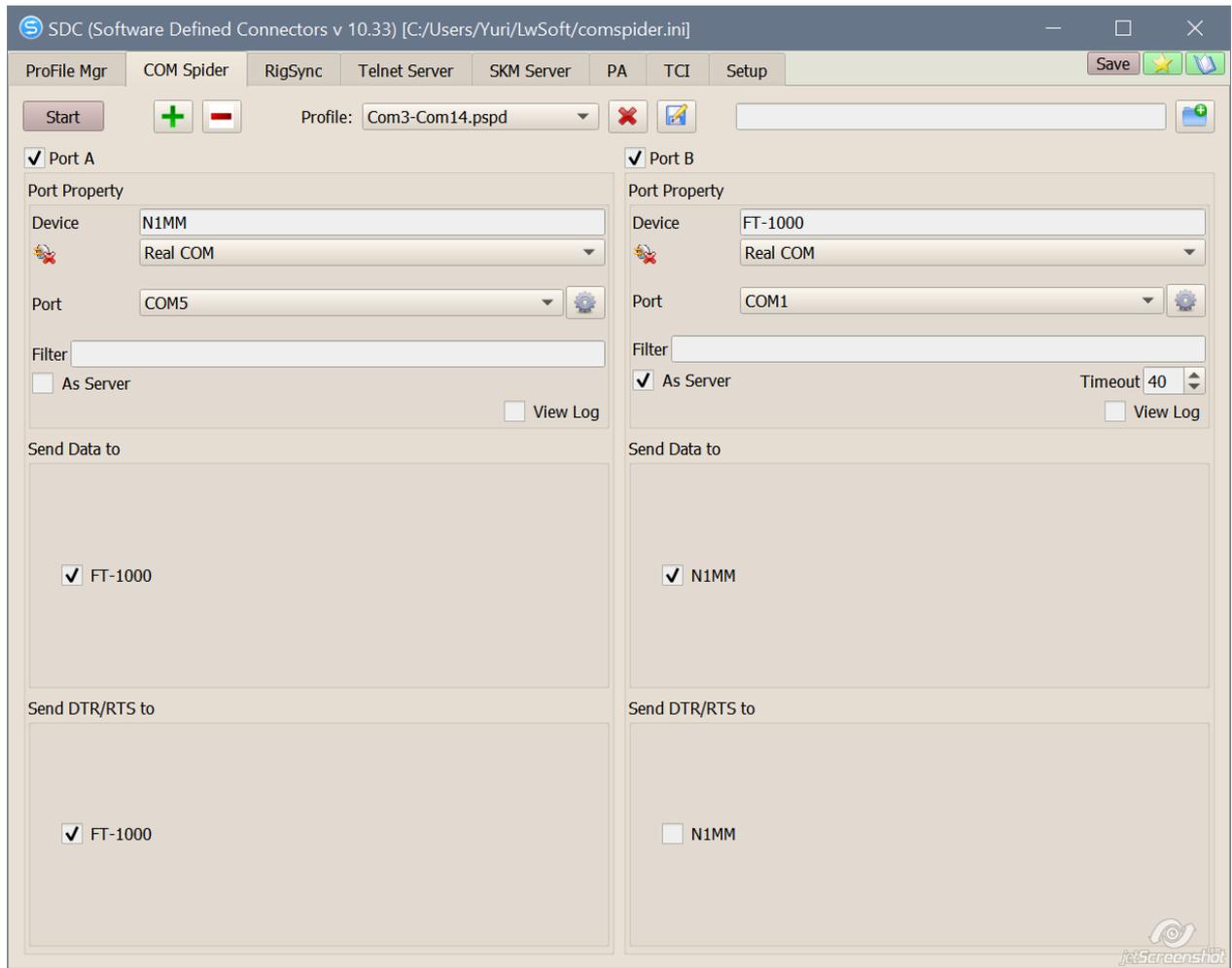
Синхронизация трансивера с ExpertSDR2 и логом N1MM

COM Spider

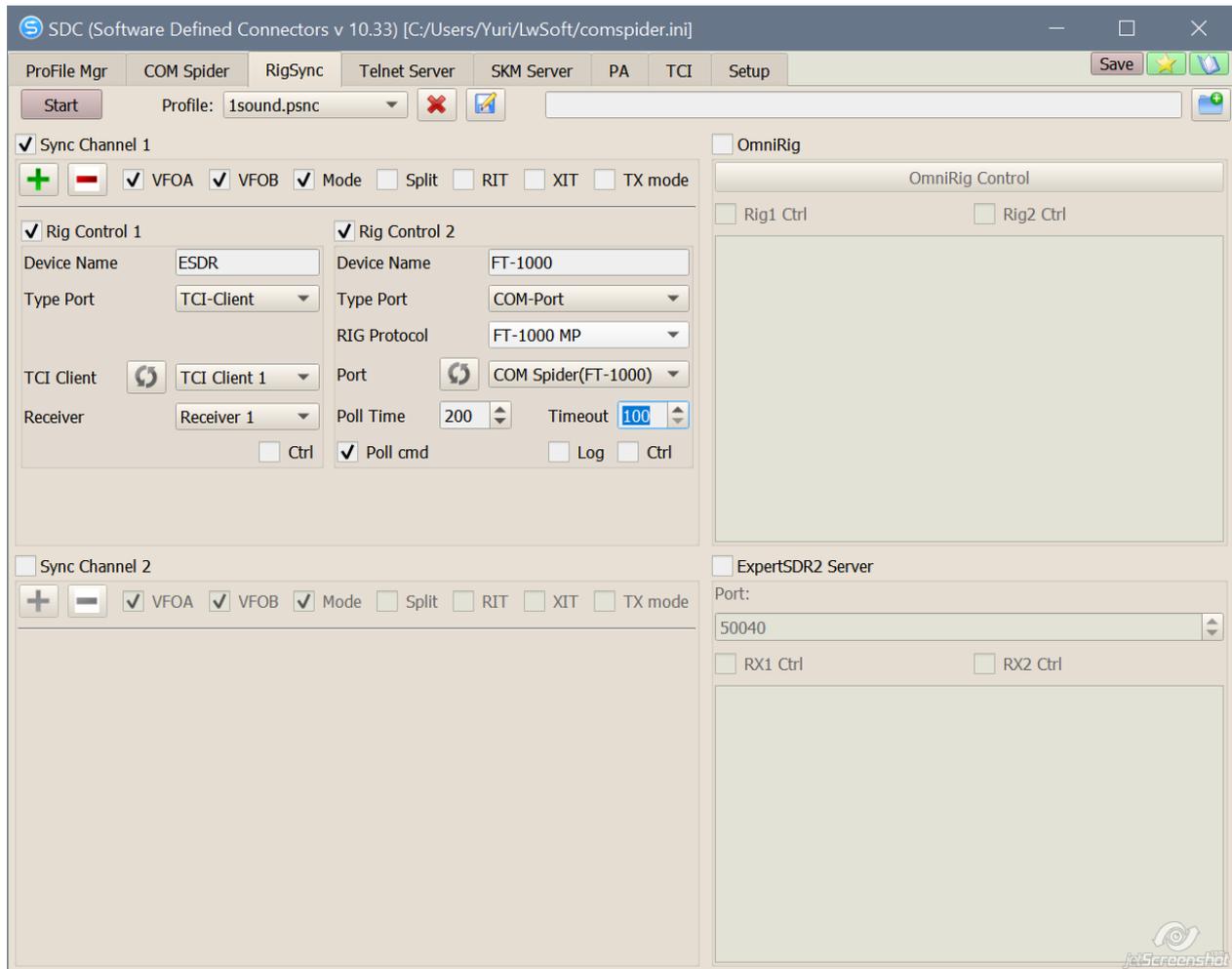
N1MM,

FT-1000.

N1MM



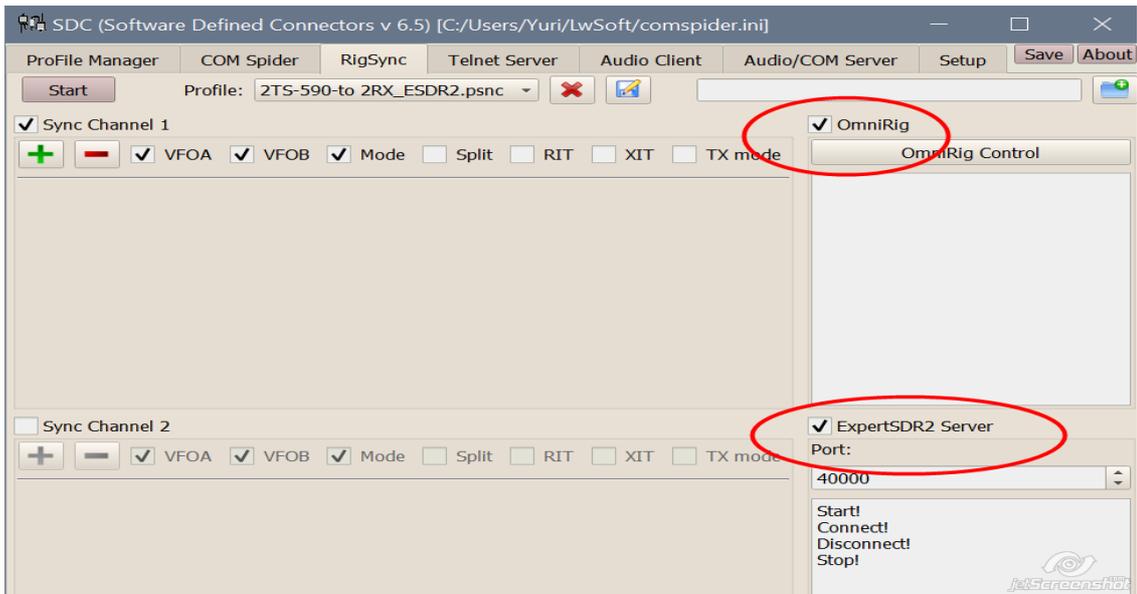
RigSync :
 ESDR - TCI- .
 FT-1000 - COM Spider.



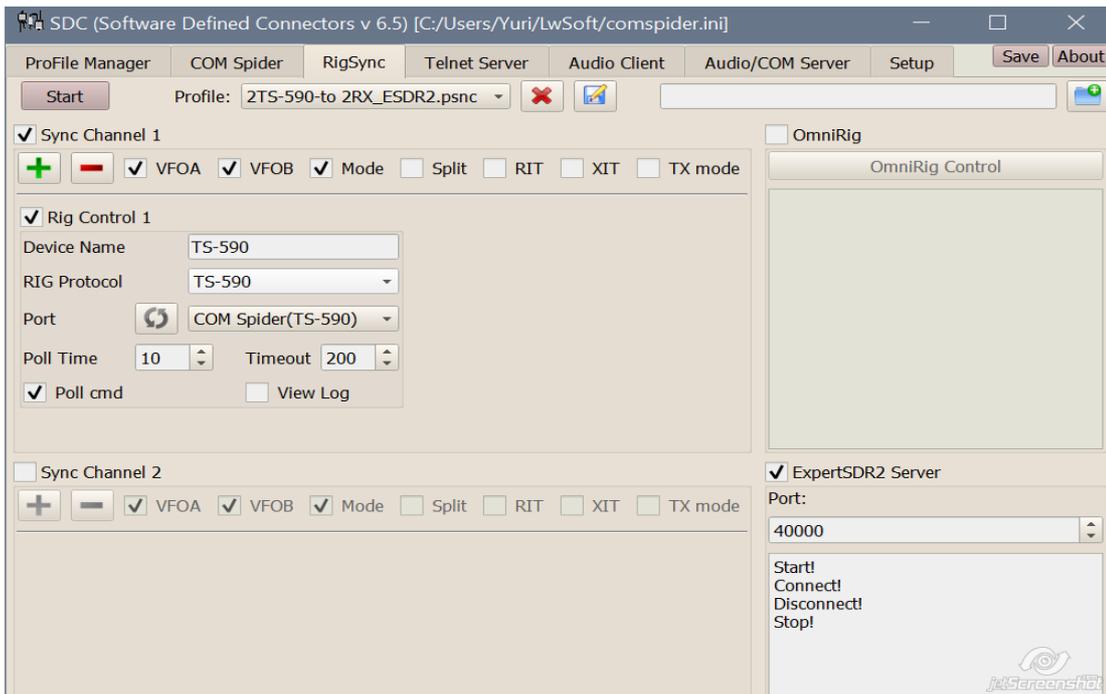
SDC

COM Spider RIG Sync.

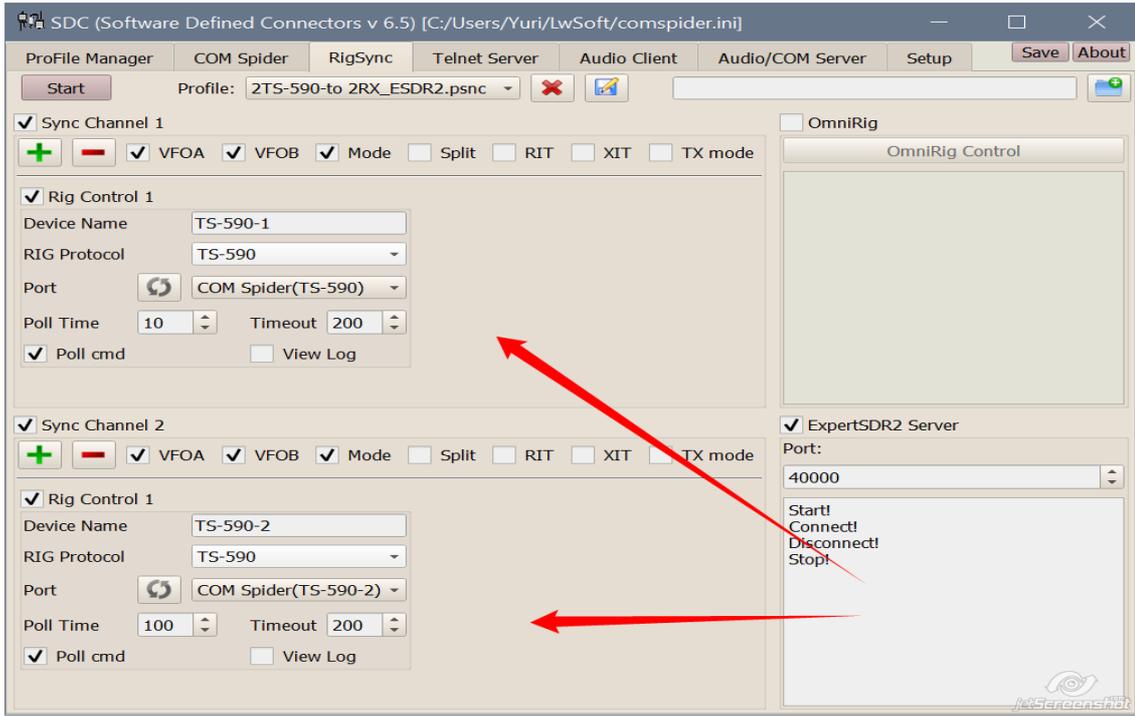
COM Spider RIG Sync



(Colibri , TS-590) :



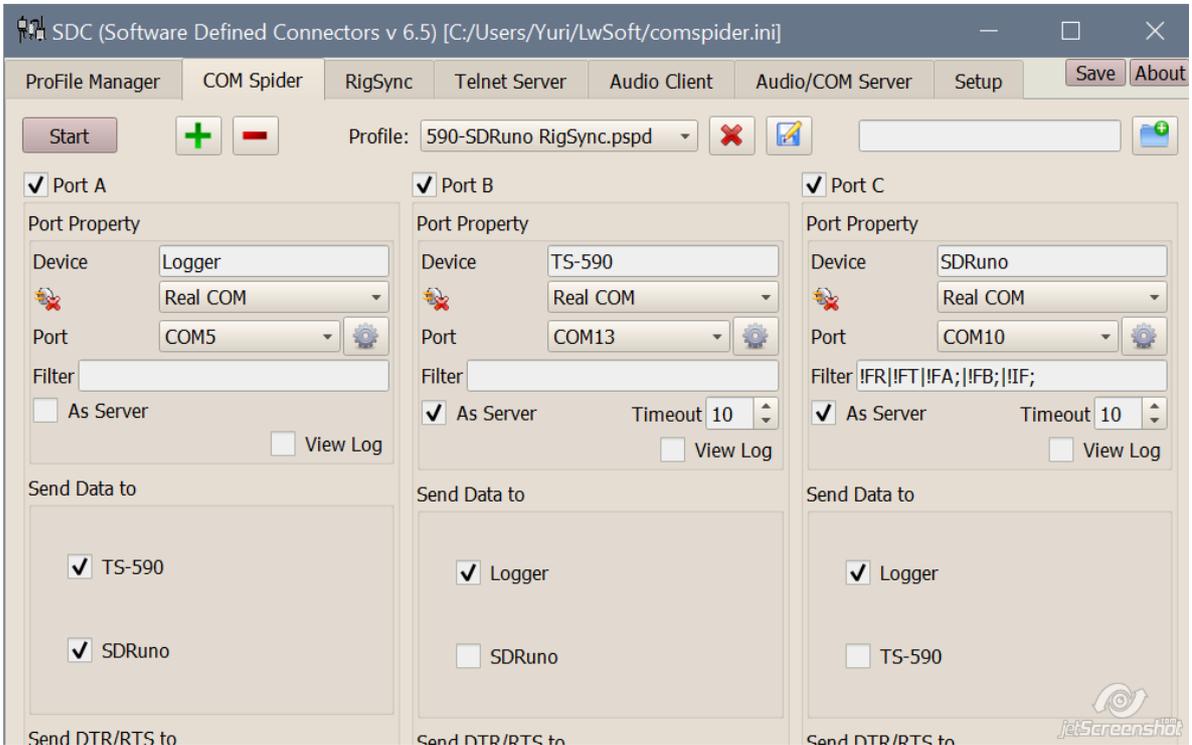
Colibri TS-590 SO2R:



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Сложные варианты синхронизации устройств

5MContest SDR : SO2V. TS-590 SDR
 Spider «as Server»: VFOB. VFOA, VFOB. . . TS-590 SDR CQ, COM



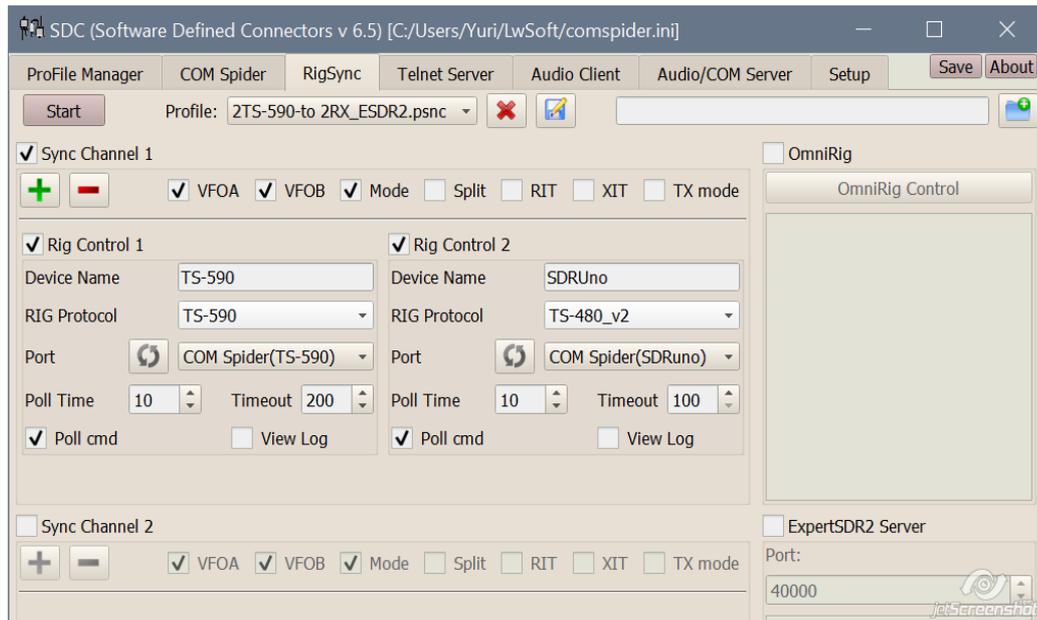
!FR;!FT;!FA;!FB;!IF;

FB000XXXX,;

«RigSync»

VFOB

:



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Добавление своих ini файлов для устройств

INI

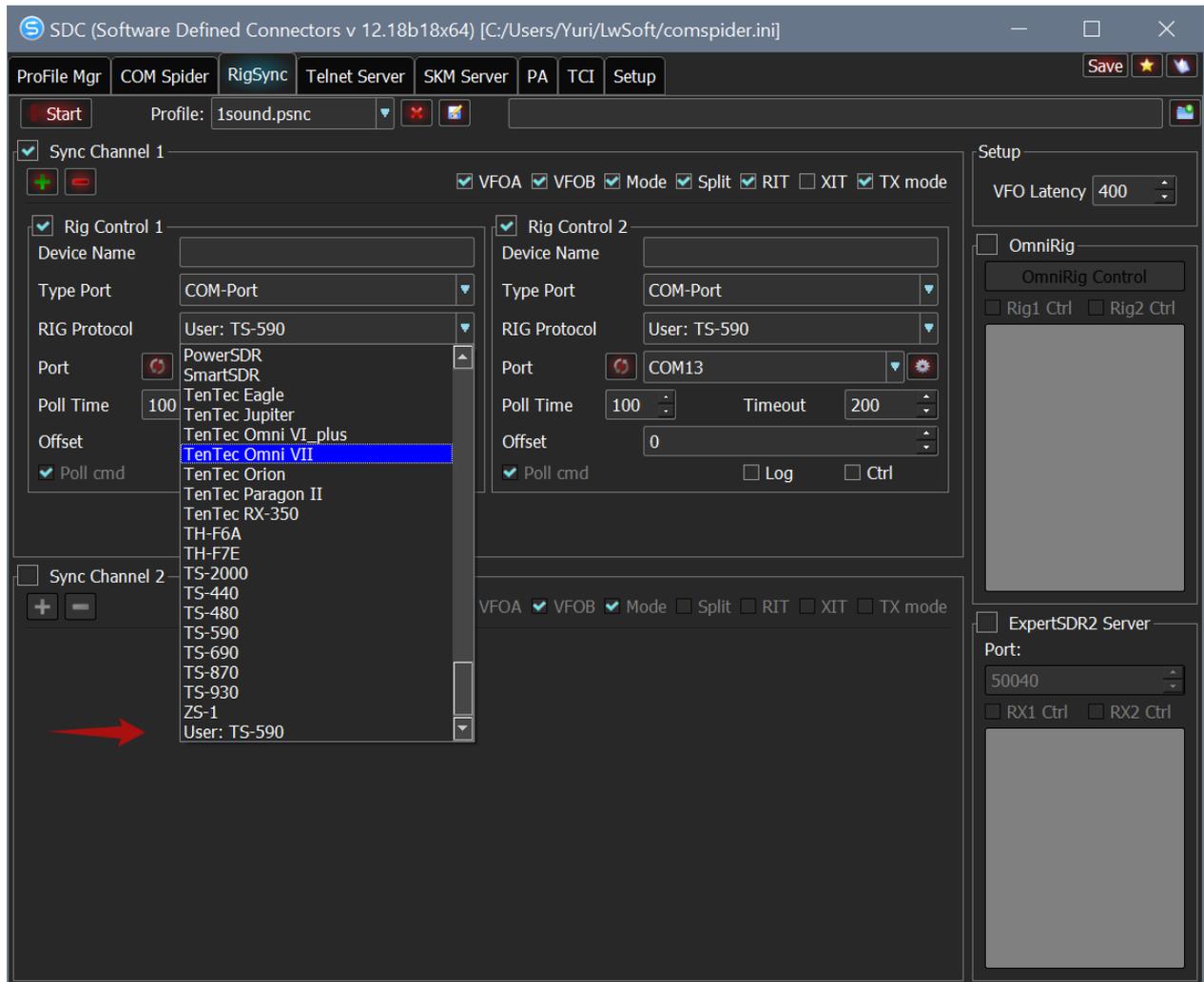
OmniRig

"Rigs"

"C:

\User\...user_name...\LwSoft\Rigs\.

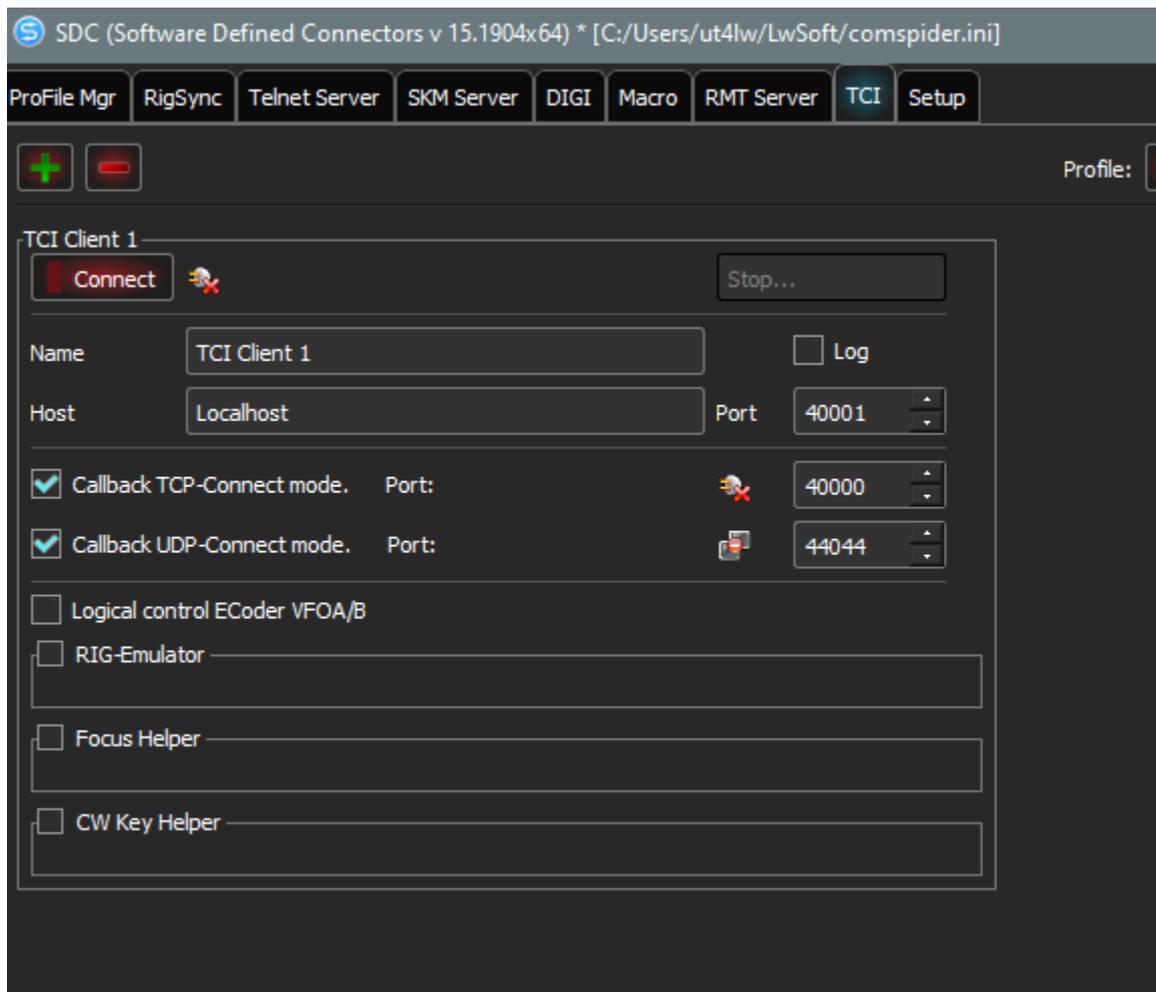
"User: ":



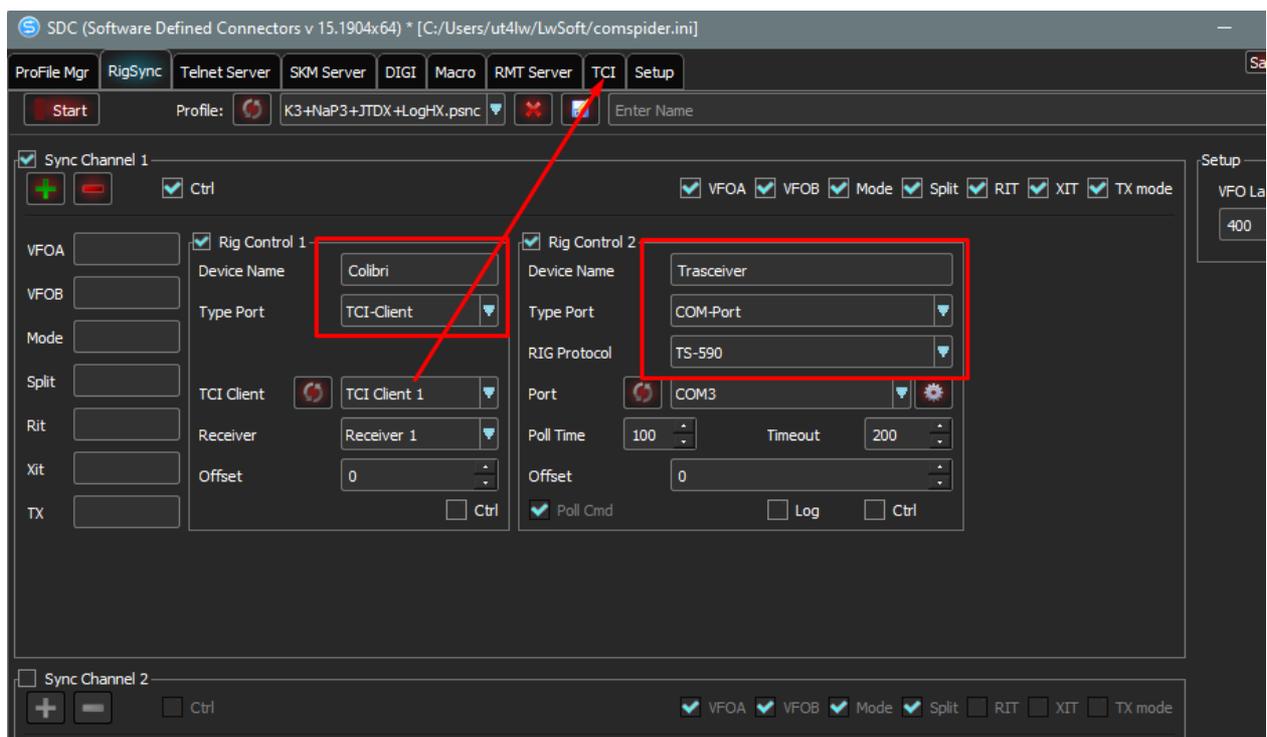
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RIG-Emulator

SDC 12.20 RigSync - "RIG-Emulator".
 3, NaP3, JTDX, LogHX.

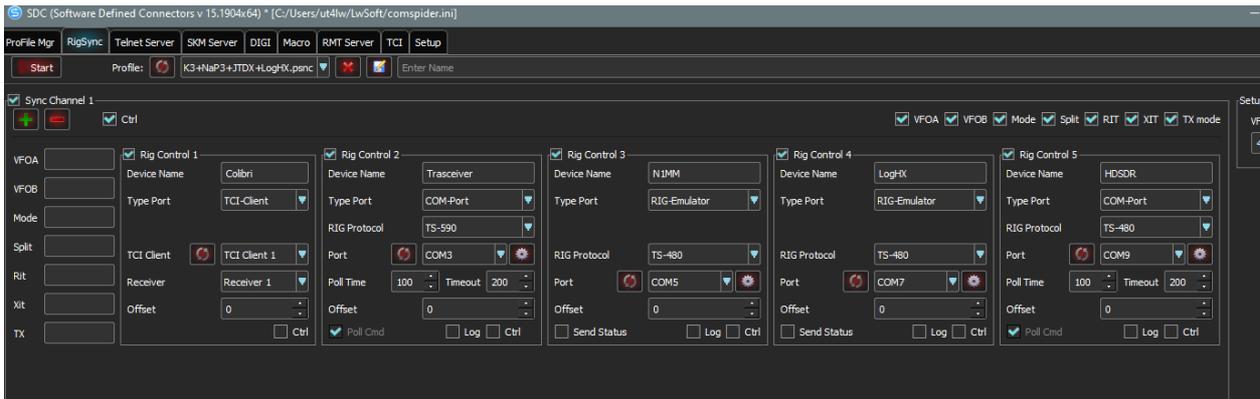
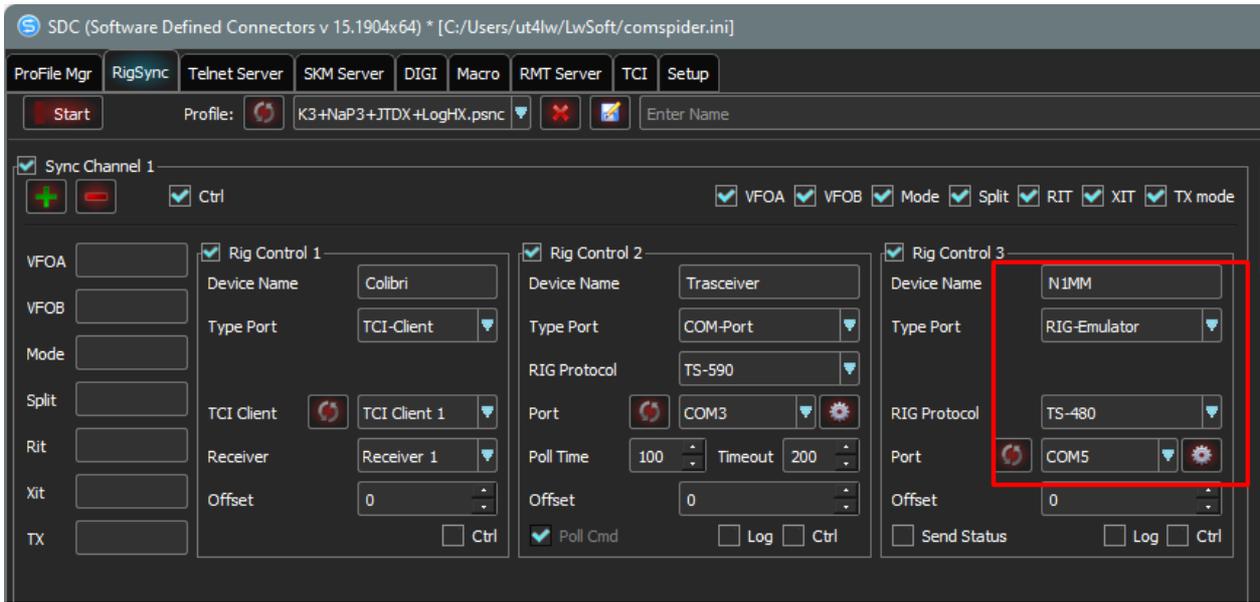


2. RIG Sync RIG Control Colibri , , TS-590:



3.

4. COM N1MM , , COM5-COM6. RIG Sync TS-480. COM5, - COM6.
 N1MM , RIG-Sync,

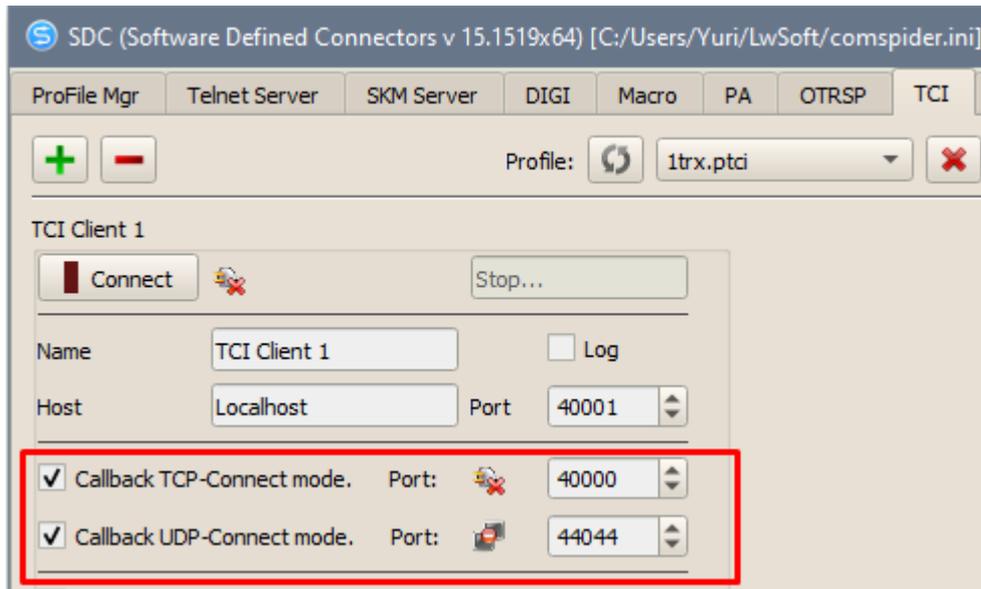


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TCI

Expert Electronics

ExpertSDR2

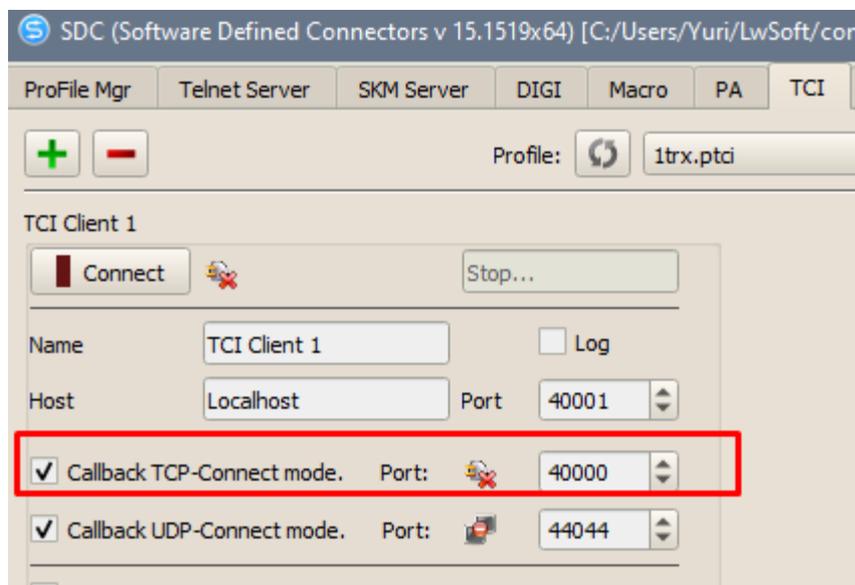


SDC :
ExpertSDR2 - Callback TCP-Connect mode.
ExpertSDR3 - Callback UDP-Connect mode.

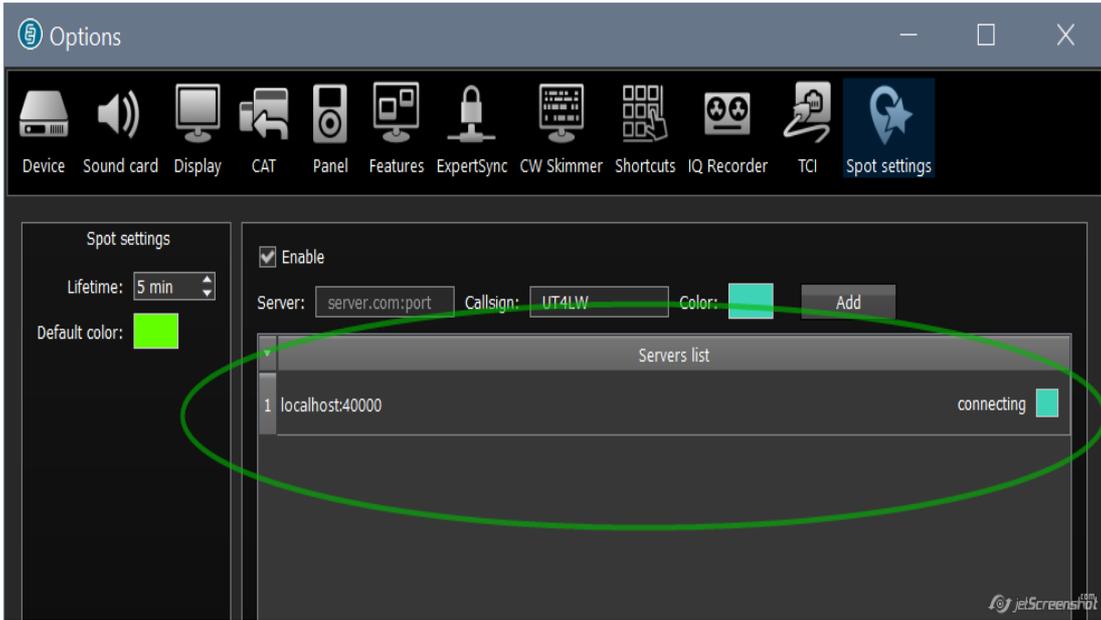
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Callback TCP-Connect mode

Callback TCP-Connect mode:



:
, "Port", TCI TCI SDC
ExpertSDR2
"Callback", :

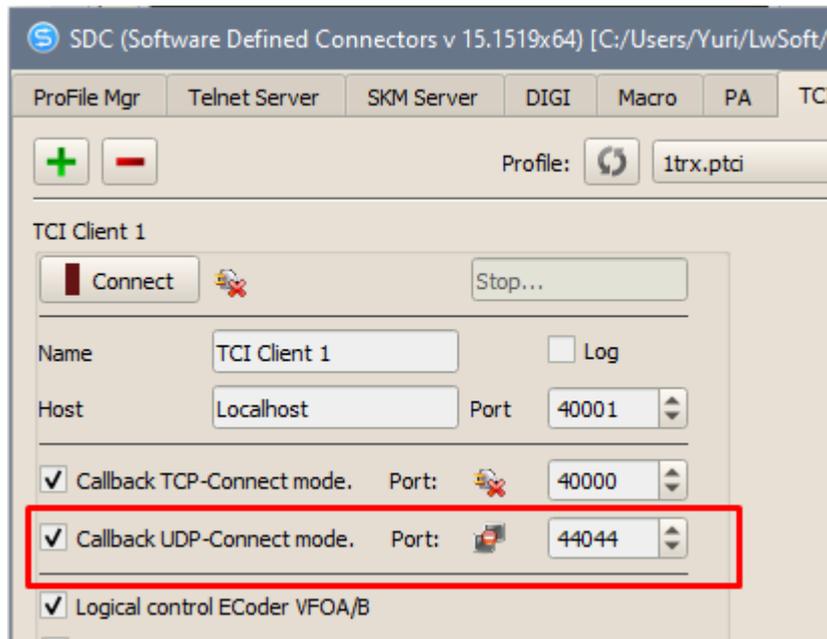


SDC. TCI. , ExpertSDR2 , "Callback"
SDC-TCI-Callback: SDC, SDC TCI.
CallBack. , CallBack
SDC. TCI. , SDC CallBack
, SDC , SDC CallBack. TCI.

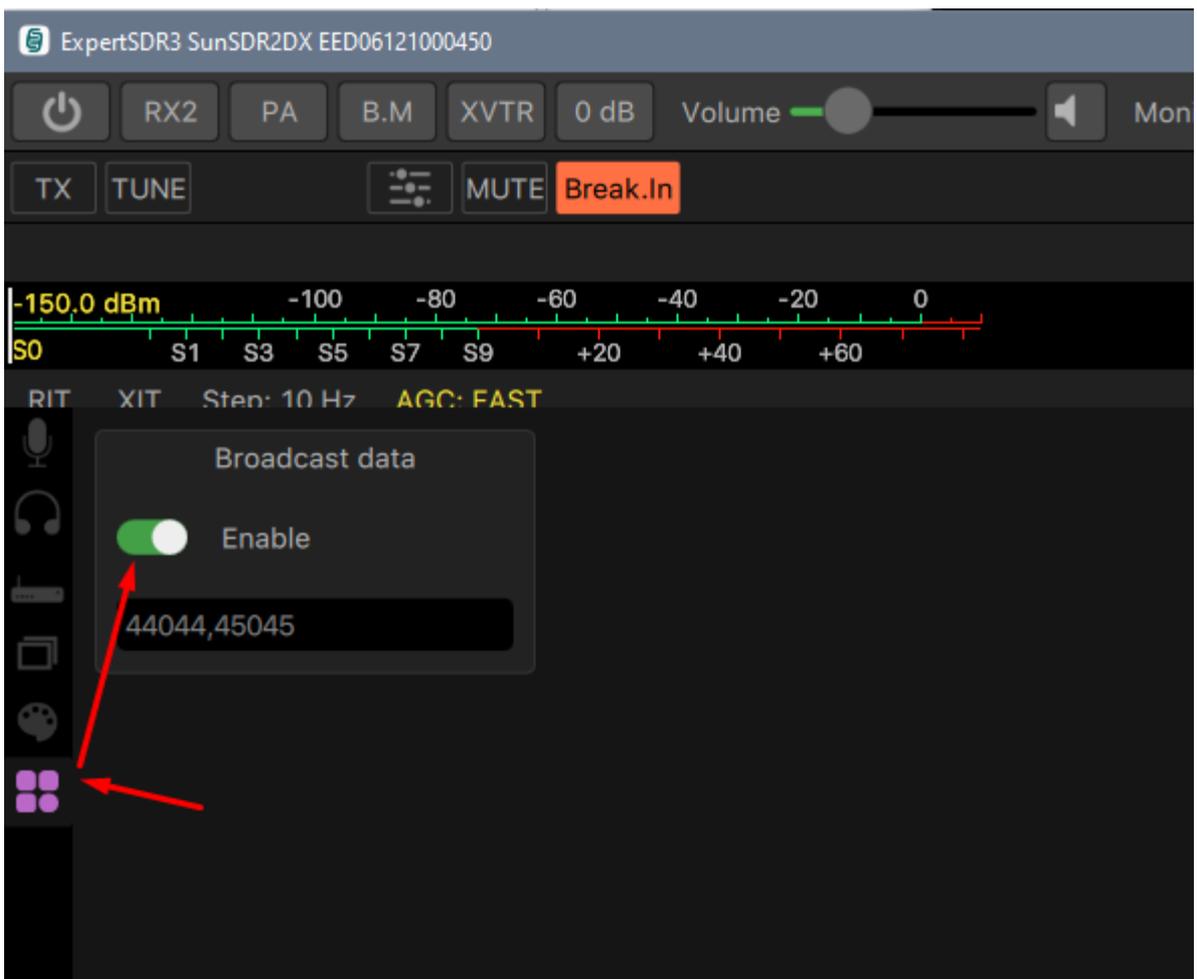
Callback UDP-Connect mode

ExpertSDR3

"Callback UDP-Connect mode"



ExpertSDR3 TCI SDC-TCI Client
 UDP, :

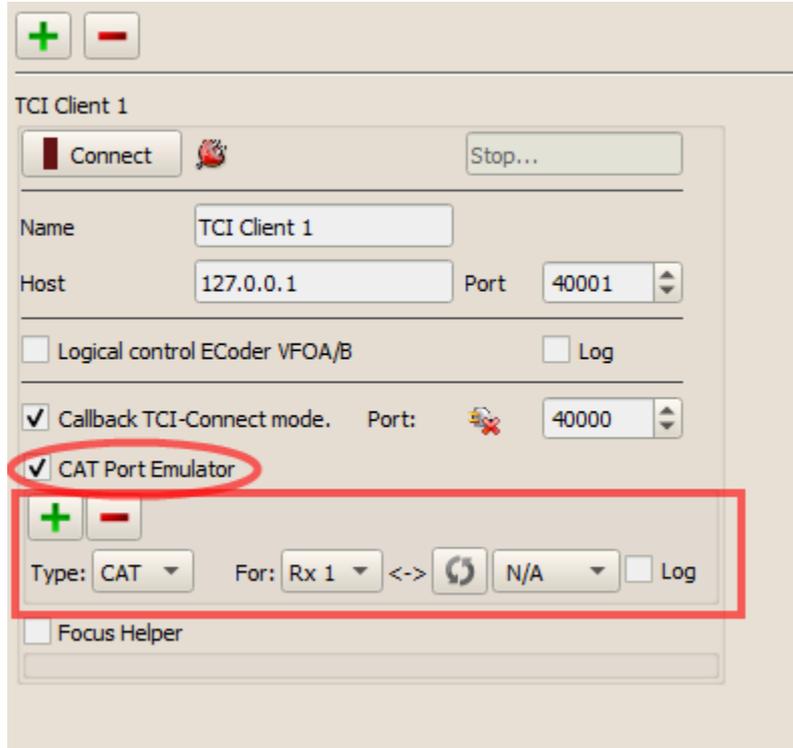


Эмулятор CAT порта

CAT Port Emulator -

CAT

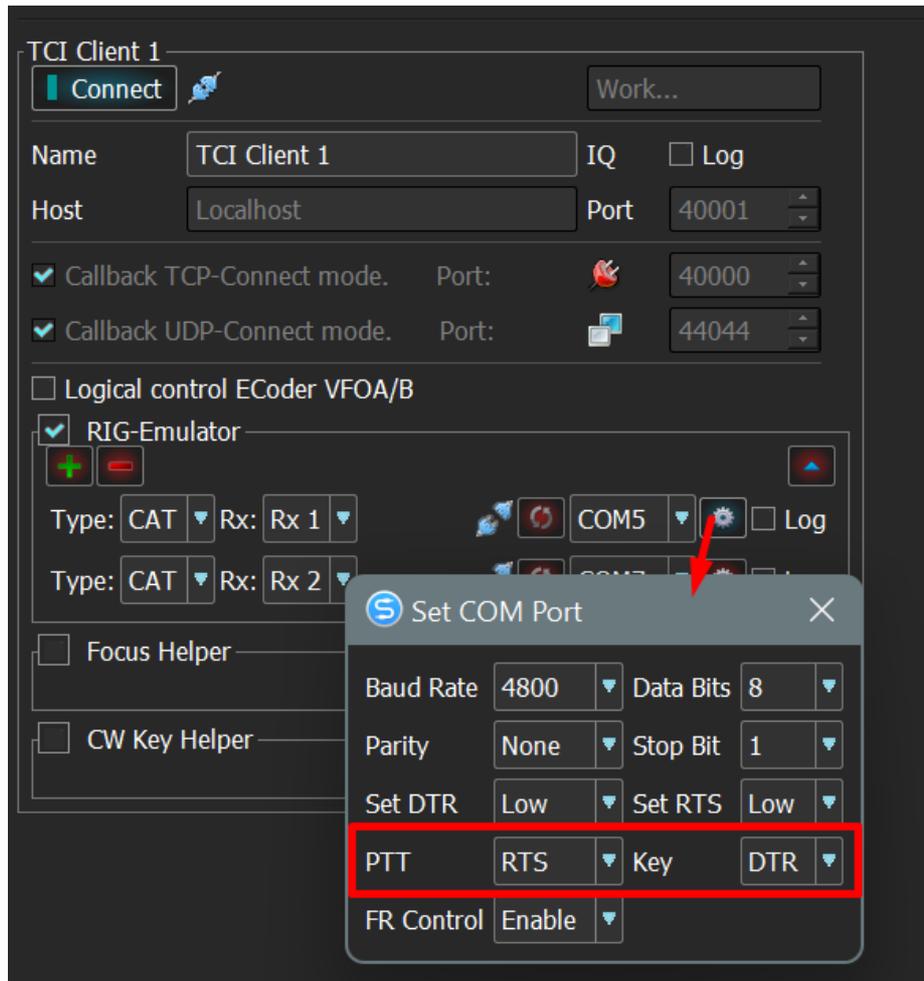
CAT Port Emulator "CAT Port Emulator".
"+",



: CAT, PTT, Foot Switch.
COM

CAT - COM TS-480.
PTT (DTR/RTS).
PTT
Foot -

(CAT, PTT). SSB, VAC
Foot -
COM PTT CW,



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TC команда.

command - , TCI TCI TC:command; TCI
 , , "%1",
 CAT.
 , CW N1MM:

```
#####
# RUN Messages
#####
F1 Cq,Cq Test {MYCALL} {MYCALL}
F2 Exch,{CAT1ASC TC:CW_MACROS:%1, >>{SENTRSTCUT}<< {EXCH};}
F3 Tu,Tu {MYCALL} {CLEARIT}
F4 {MYCALL},{MYCALL}
F5 His Call,{CAT1ASC TC:CW_MACROS:%1,{CALL};}|
F6 Repeat,{SENTRSTCUT} {EXCH} {EXCH}
F7 TCI,{CAT1ASC TC:CW_MACROS:0,CQ CQ DE UT4LW;}
F8 Agn?,Agn?
```

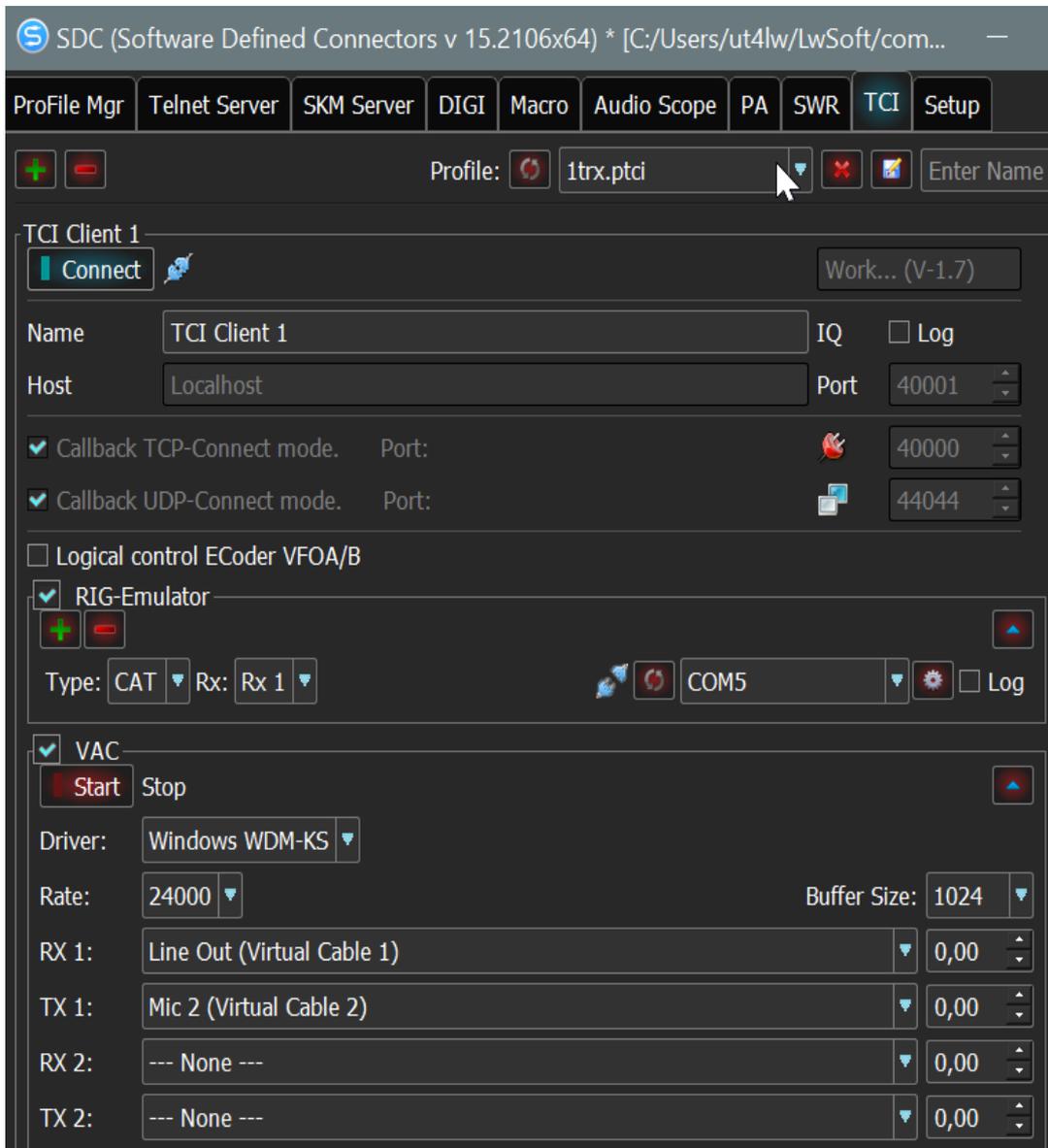
Created with the Personal Edition of HelpNDoc: [Easily create iPhone documentation](#)

VAC эмулятор

- Emulator.

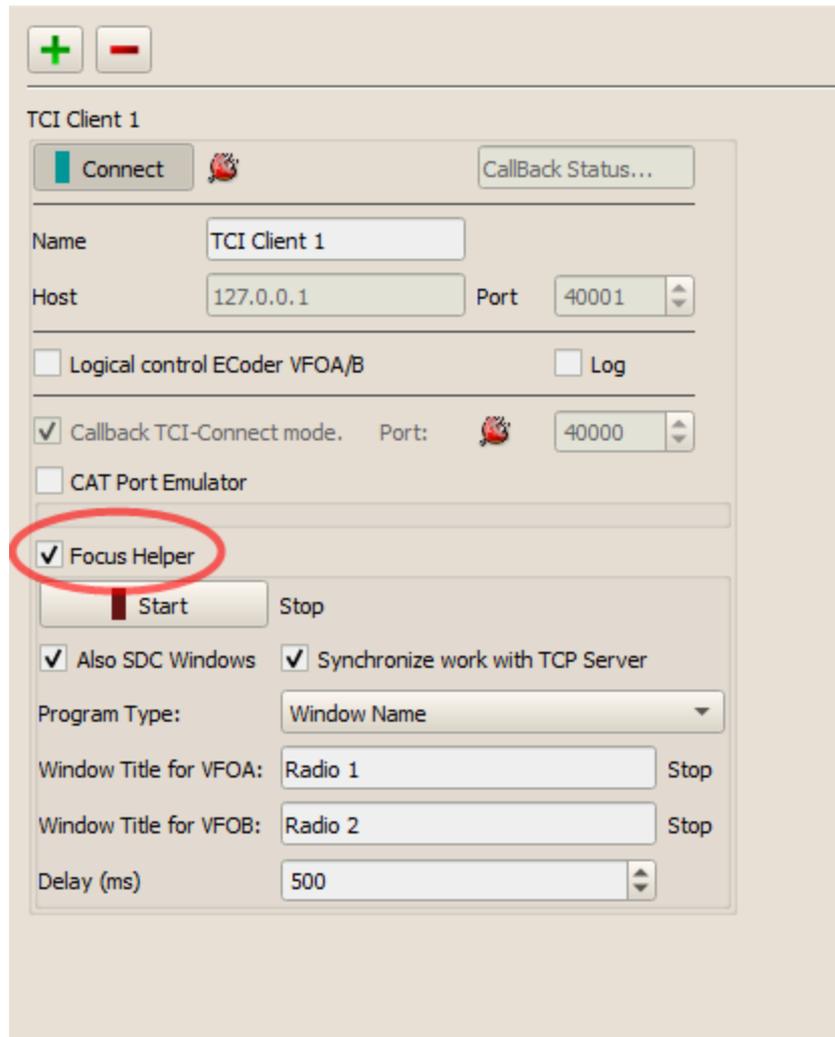
TCI,

VAC



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Focus Helper



"Focus Helper"

TCI
"Focus Helper"/

TCI.

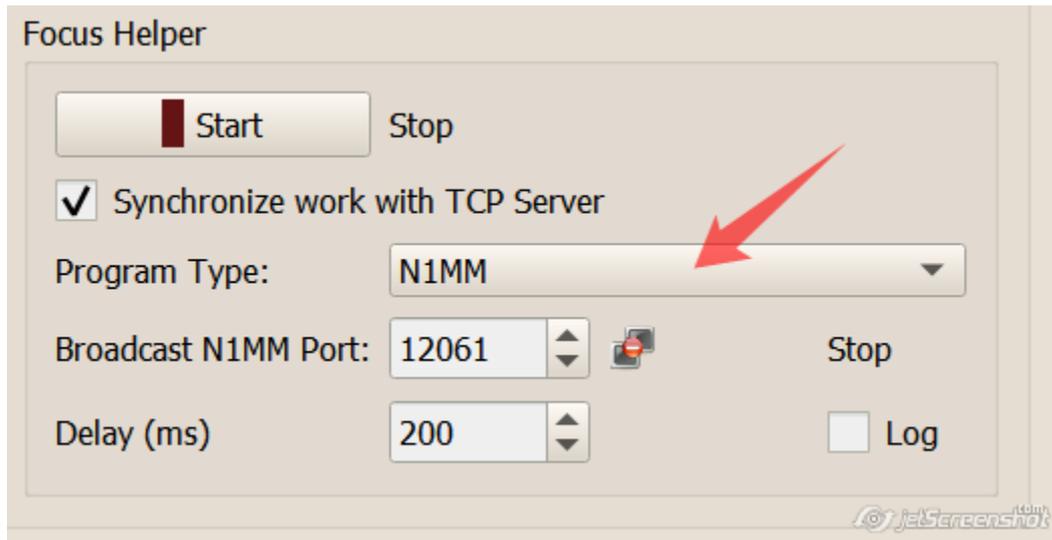
QSO

Synchronize work with TCP Server -
(. Telnet Server).

Also SDC Windows -

- SDC.

N1MM



N1MM.

N1MM,

Configurer

Hardware Function Keys Digital Modes Other Winkey Mode Control Antennas Score Reporting **Broadcast Data** Audio

Select the type of data you wish to broadcast, and the the IP Address(es) and port(s) for the receiver(s) of the data. Use 127.0.0.1 for the local machine. Use 12060 as the port unless the receiving application requires a different port. 255 in the low order octet will broadcast to your current subnet.

Type of data	IP Addr:Port	IP Addr:Port...
<input checked="" type="checkbox"/> Application Info		127.0.0.1:12061
<input checked="" type="checkbox"/> Radio		127.0.0.1:12061
<input checked="" type="checkbox"/> Contacts <input checked="" type="checkbox"/> All Computers		127.0.0.1:12060
<input checked="" type="checkbox"/> Spots		127.0.0.1:12062
Rotor		127.0.0.1:12041 127.0.0.1:12040
<input checked="" type="checkbox"/> Score		127.0.0.1:12060
<input type="checkbox"/> External Callsign Lookup		127.0.0.1:12060

WSJT and JTAAlert connection settings. IP Address and port must match each programs settings. Allows direct logging from each program into N1MM.

Enable	IP Address	UDP Port
<input type="checkbox"/> Enable	127.0.0.1	2333

Sets the IP Address and port that an external program can connect to N1MM+ via TCP Port for logging purposes. (JTDX)

Enable	IP Address	TCP Port
<input checked="" type="checkbox"/> Enable	127.0.0.1	52001

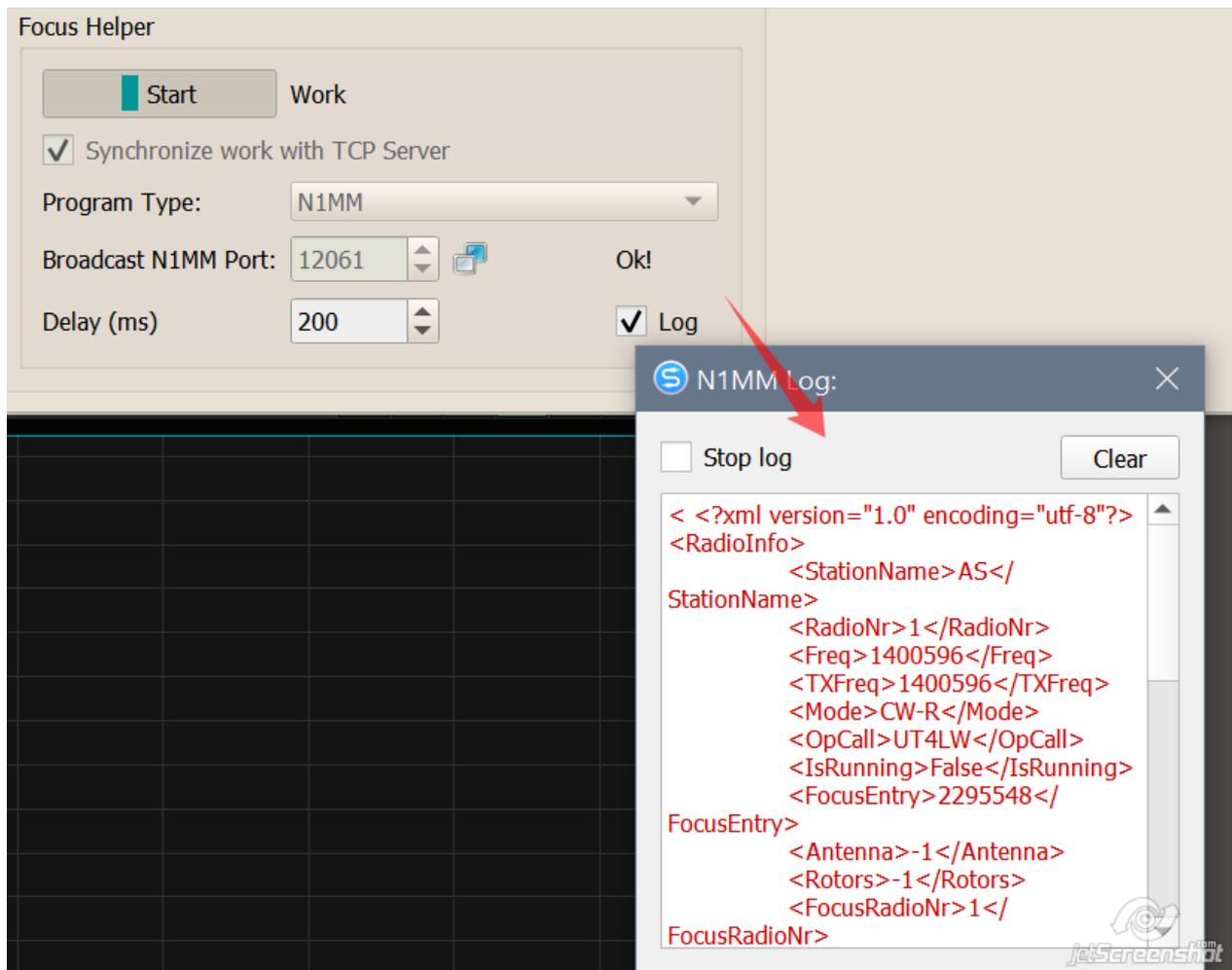
OK Cancel Help

jetScreenshot.com

N1MM
:

"Log".

N1MM

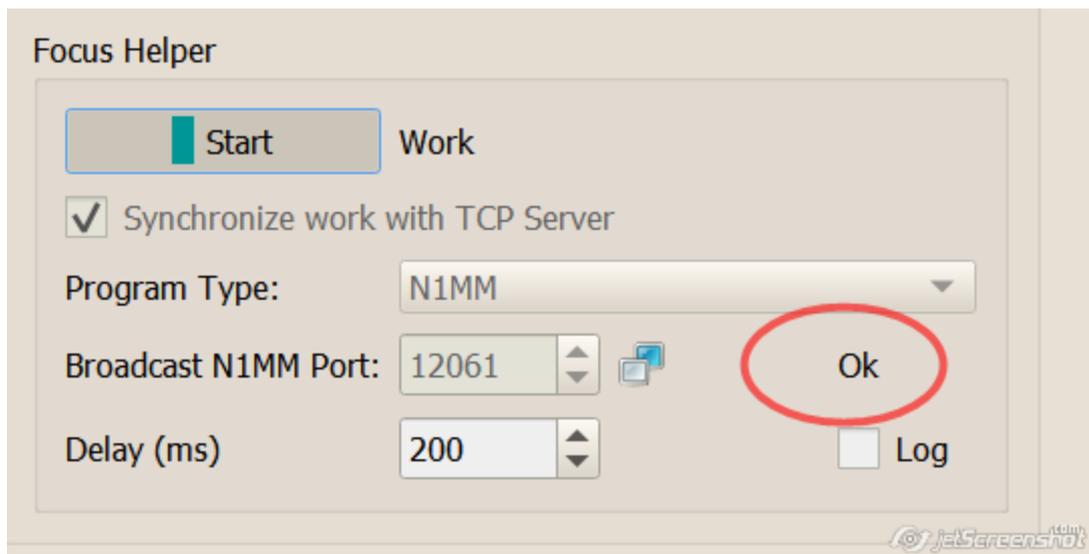


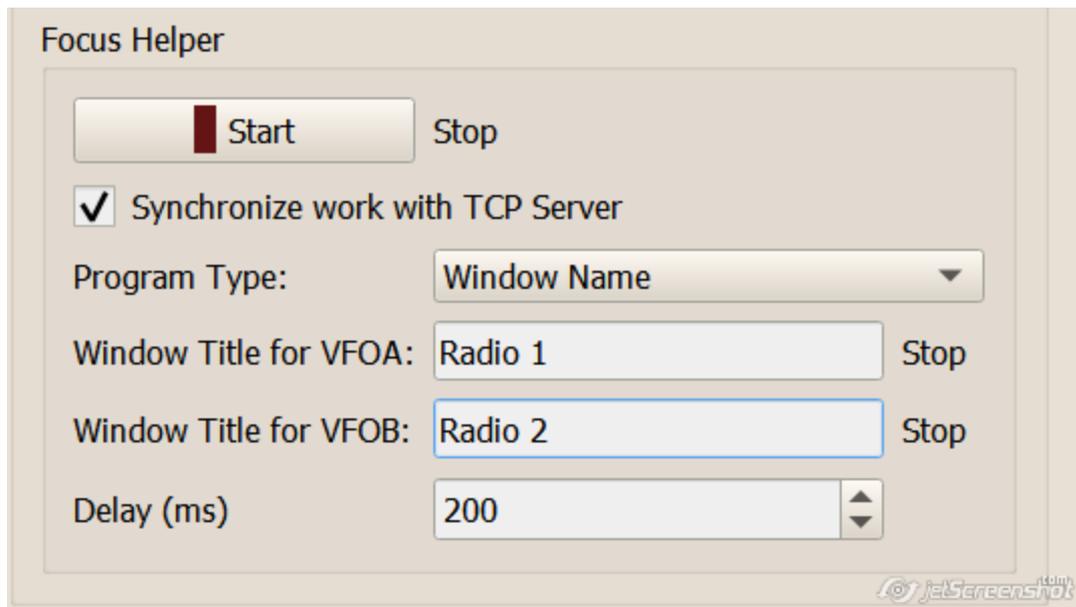
Delay (ms) -

N1MM.

N1MM

"Ok":





"Focus Helper"

: Window Name.

Window Title for VFOA, VFOB -
)

QSO VFOA, VFOB (
, "Radio 1".

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CW Key Helper

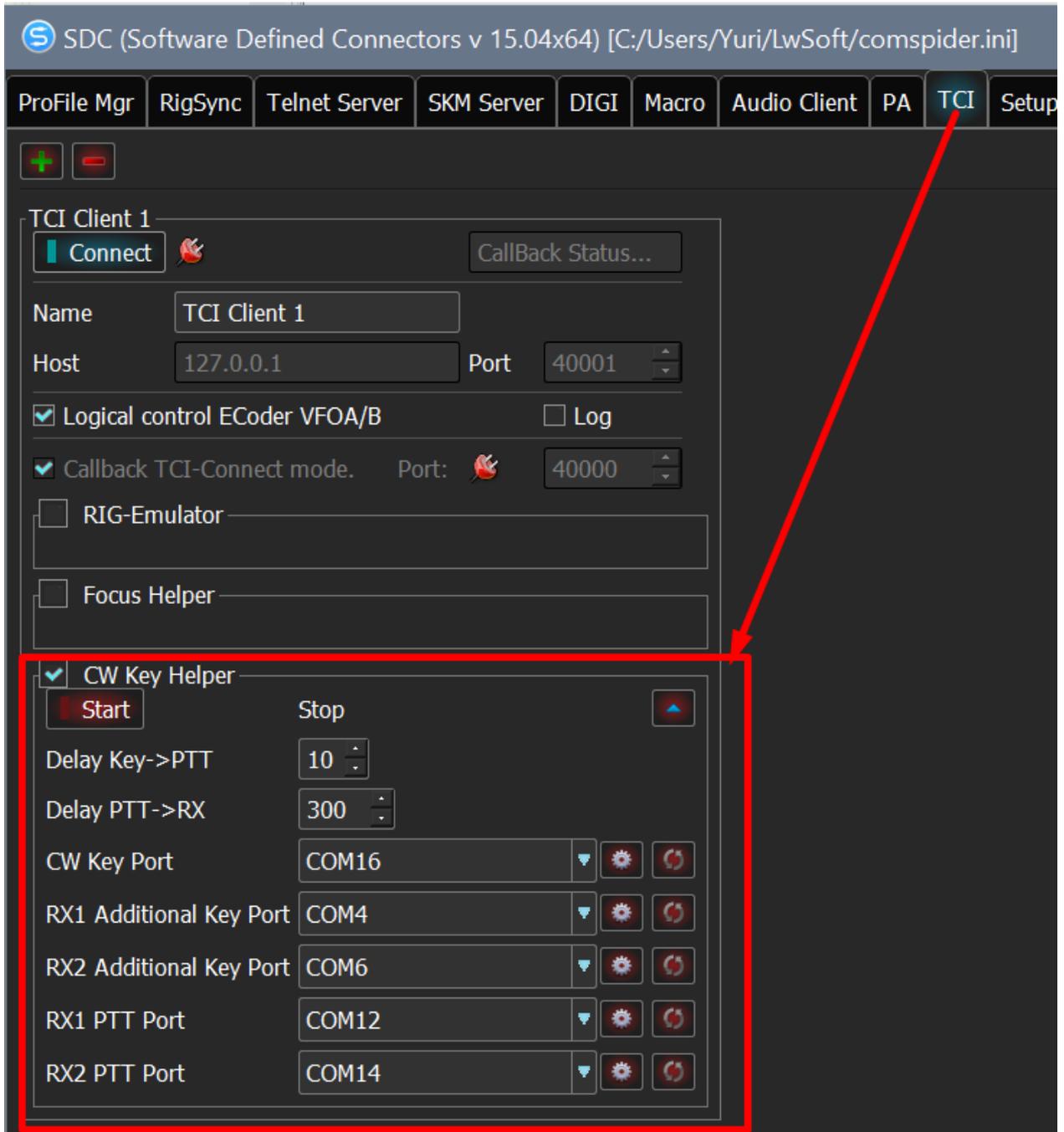
CW Key Helper

1.

:
PTT.

2.

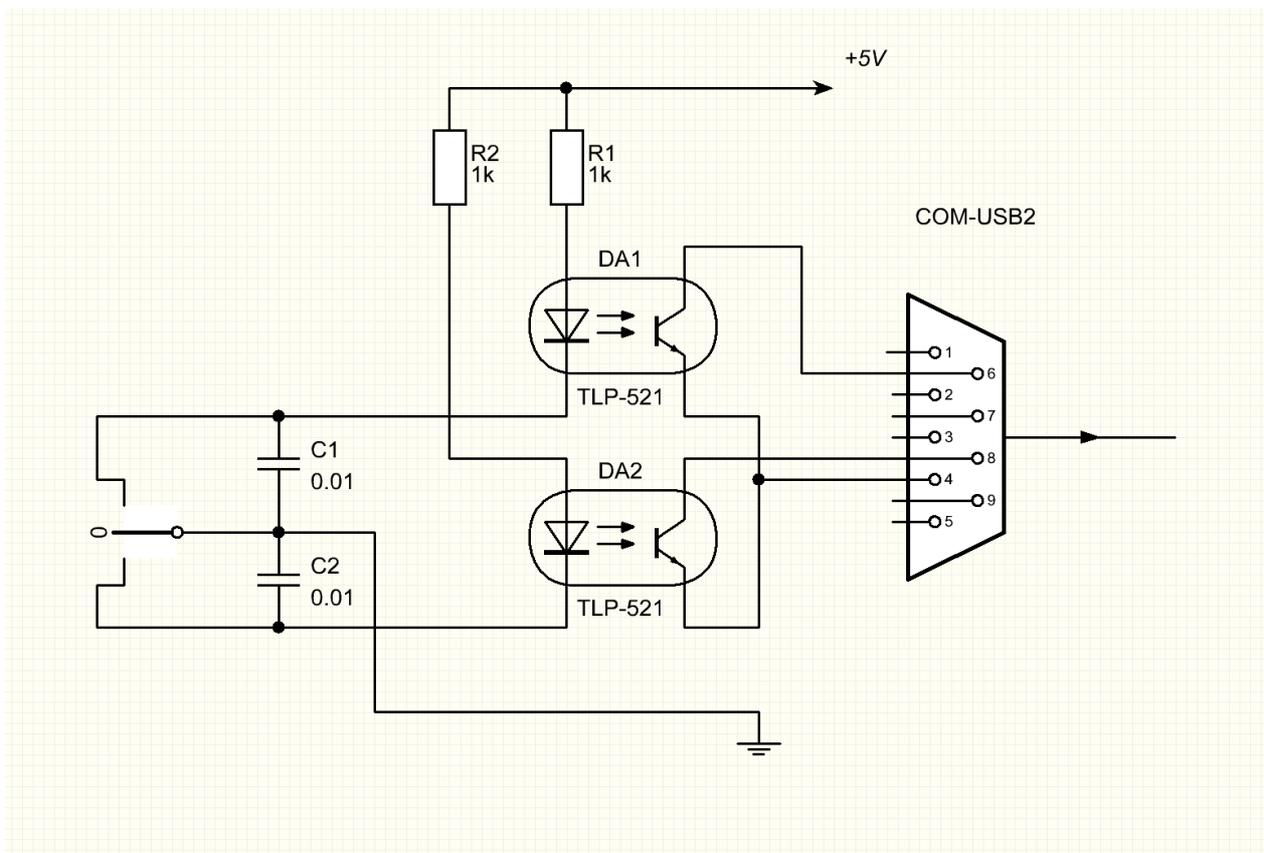
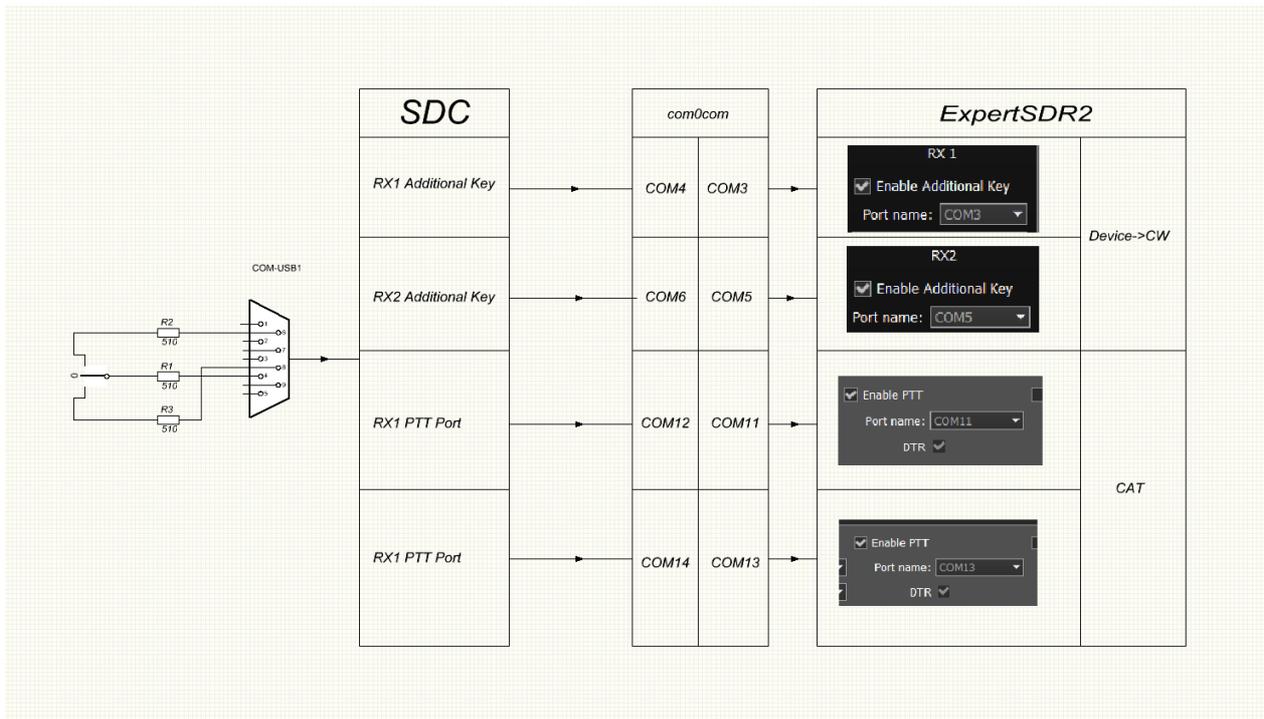
BreakIn 2-



Key Helper

ExpertSDR2. COM , :

SDC-CW



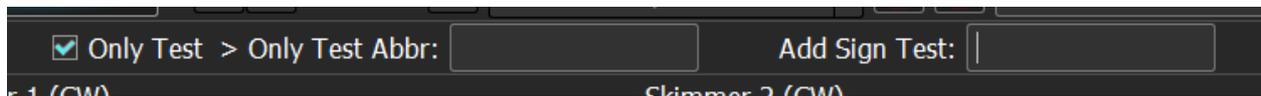
Главное окно



[Start SKM Server] –

Telnet Server

[+] [-] –
Profile:



Skimmer 1 (CW)

Skimmer 2 (CW)

Only Test -

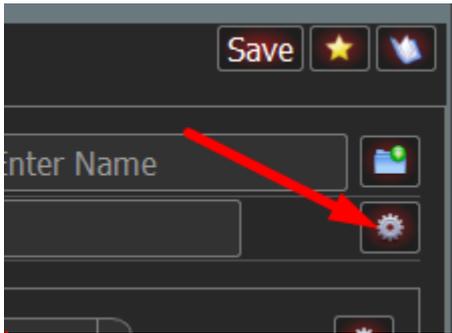
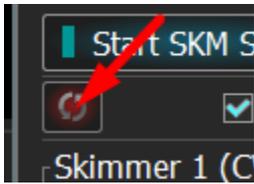
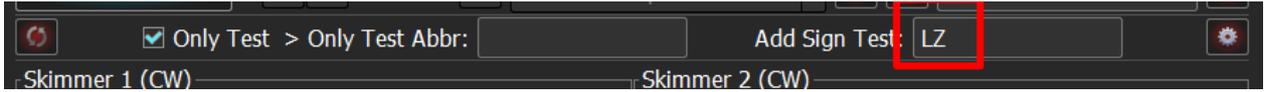
TEST, WSEM.

Only Test Abbr -

MM: CQ MM..., TEST MM...

Add Sign Test -

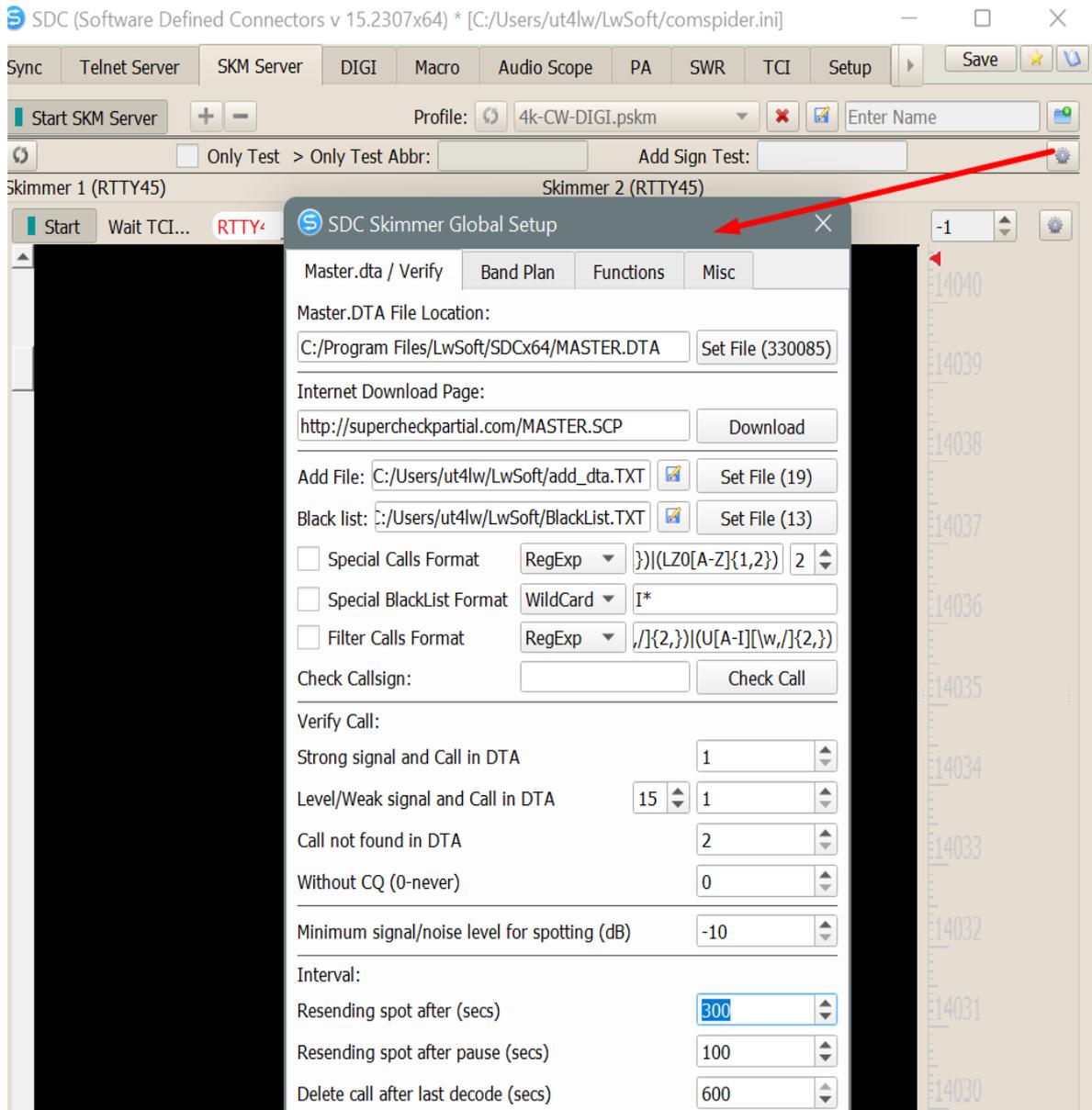
TEST, : UT4LW UT4LW LZ. LZ -
TEST. LZ Add Sign Test.



SKM Server.

Глобальные установки.

SKM Server



Master.dta/Verify

SDC Skimmer Global Setup
✕

Master.dta / Verify

Band Plan

Functions

Misc

Master.DTA File Location:

Internet Download Page:

Add File:

Black list:

Special Calls Format RegExp

Special BlackList Format WildCard

Filter Calls Format RegExp

Check Callsign:

Verify Call:

Strong signal and Call in DTA

Level/Weak signal and Call in DTA

Call not found in DTA

Without CQ (0-never)

Minimum signal/noise level for spotting (dB)

Interval:

Resending spot after (secs)

Resending spot after pause (secs)

Delete call after last decode (secs)

Master.DTA File Location:

Internet Download Page:

Add File:

Master.dta.

Black List:

Special Calls Format:

Master.dta, R31A/P ... R37Z/P.

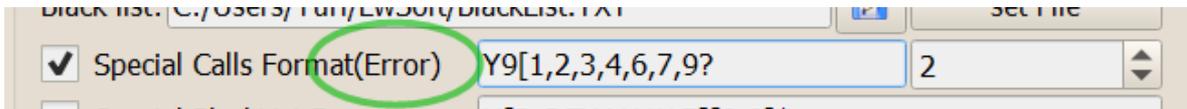
Master.DTA,

R3[1-7]?/P,

[1-7] - 1 7.

? -

R3[1-7][A-Z]/P



Special Black List Format:

CQ WW

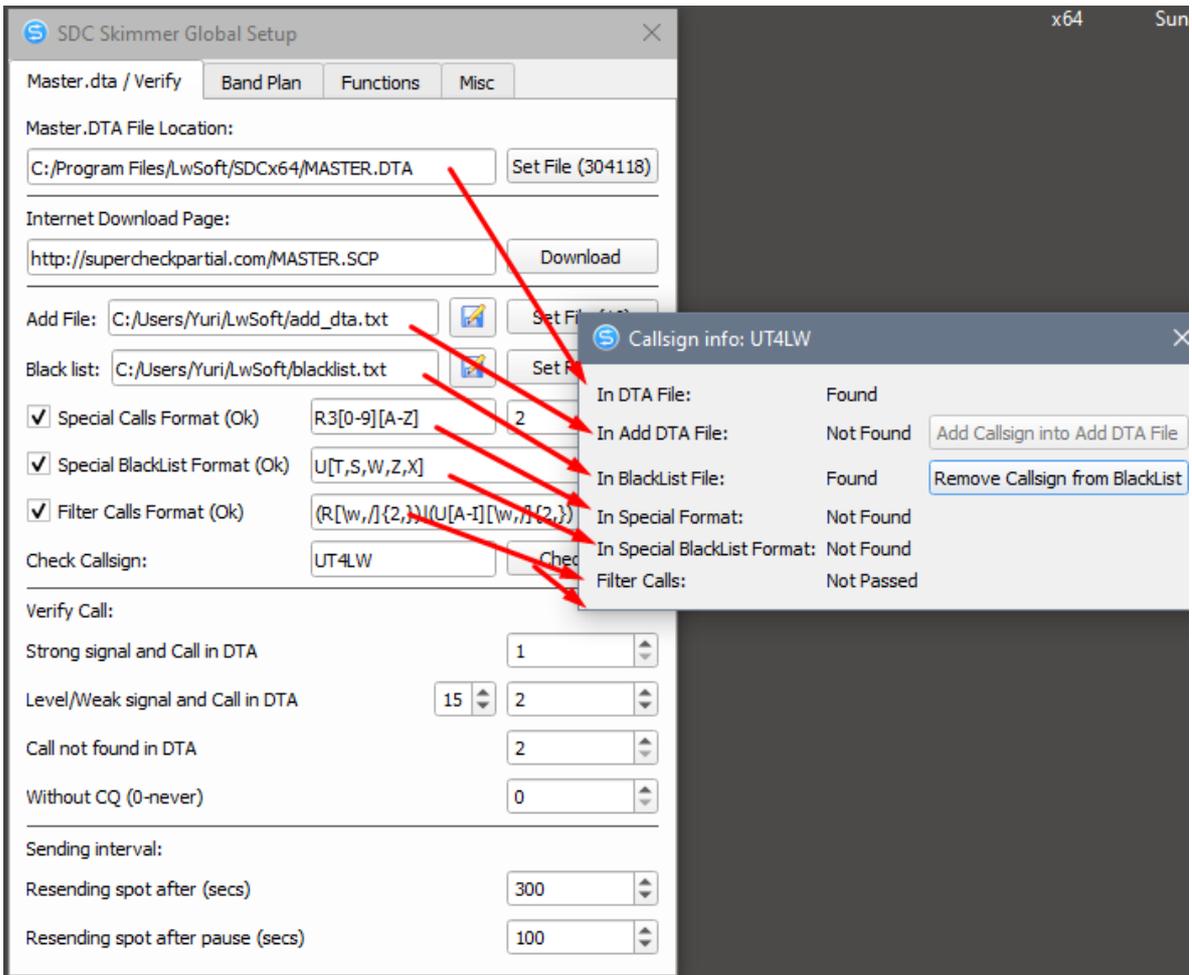
: U[R,S,T,Y,X,W,Z][0-9]*.

Filter Calls Format:

(R[\w,/]{2,})(U[A-I][\w,/]{2,})

Check Callsign:

"Check Call". Master.dta, Add File Special Calls Format.



Verify Call.

Strong signal and Call in DTA – Master.DTA. 1,

Weak signal and Call in DTA – Master.DTA.

Call not in DTA – Master.DTA.

Without CQ (0-newer) – Master.DTA. CQ, TEST, WSEM.

Minimum signal/noise level for spotting (dB) - 12, 12. -10.

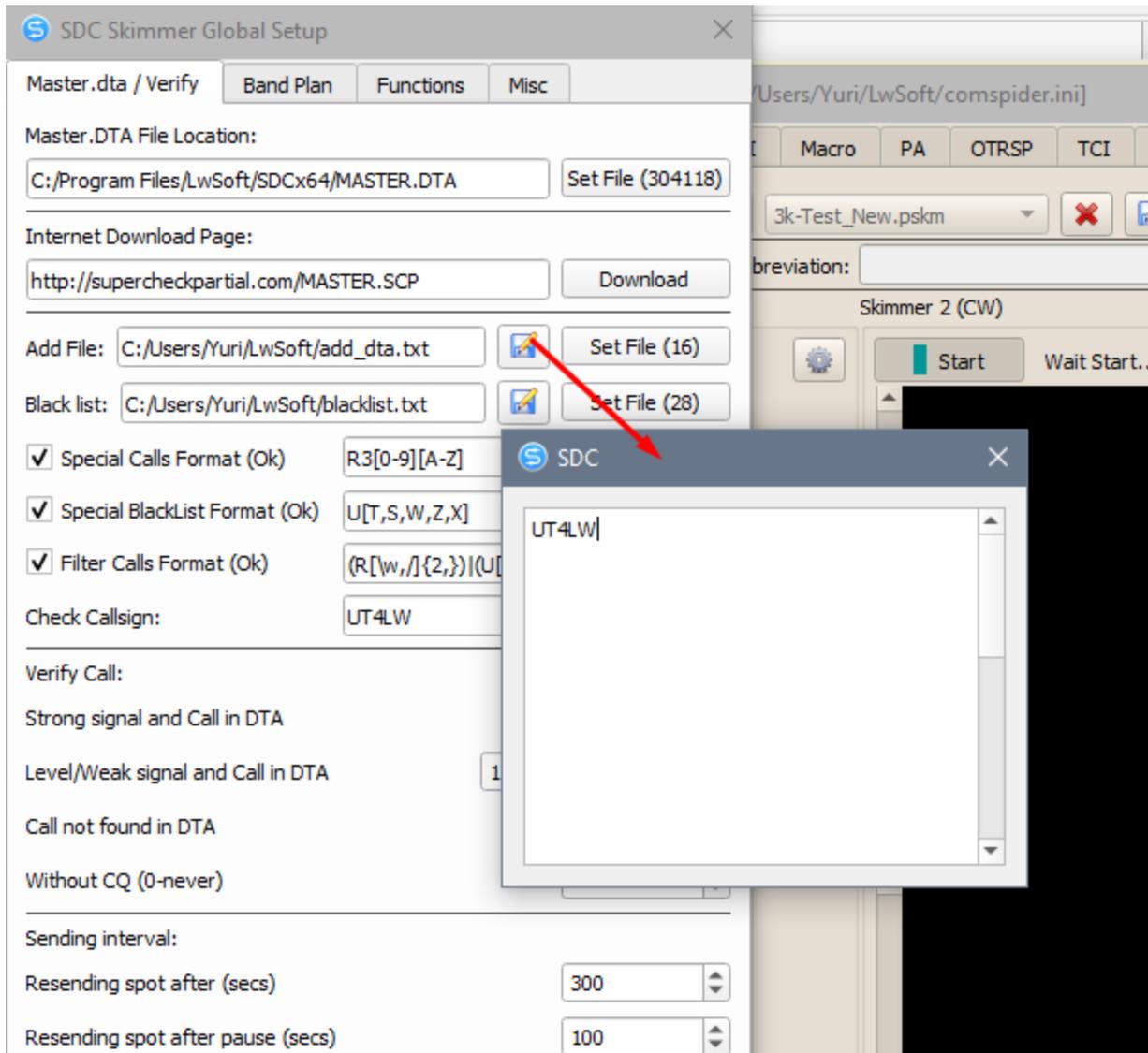
Resending spot after (secs) - N.

Resending spot after pause : - N.

Файлы "add_dta.txt" и "blacklist.txt"

"Master.DTA", "add_dta.txt".
"Set File".

"add_dta.txt"



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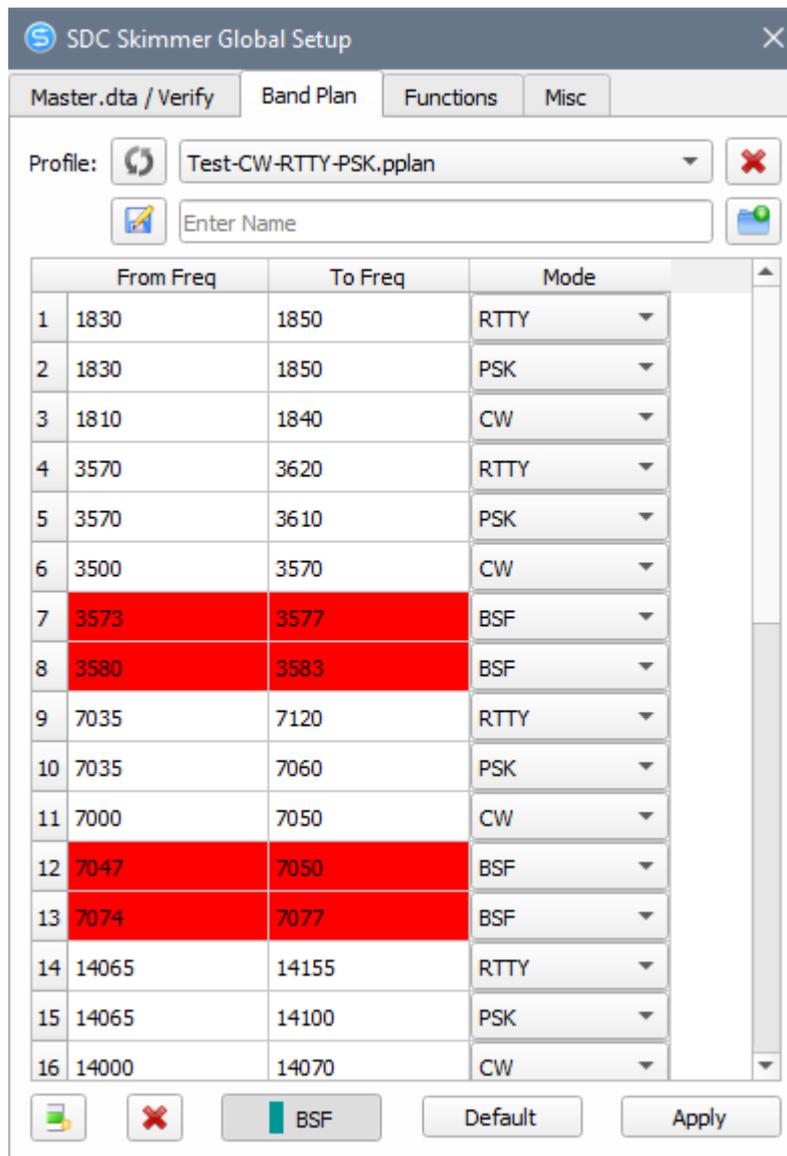
Band Plan

Band Plan –

CW/RTTY

. ALL - , CW, RTTY, PSK.

Band Plan



(Band Stop Filter).

, 7-

3573 - 3577,

[BSF].

- BSF

SDC (Software Defined Connectors v 15.11x64) [C:/Users/Yuri/L...]

Under RigSync Telnet Server SKM Server DIGI Macro

Start SKM Server + - Profile: 3k-Test_Nev

Only Test Stations / Test Abbreviation:

Skimmer 1 RTTY45

SDC Skimmer Global Setup

Master.dta / Verify Band Plan Functions Misc

Profile: Test-CW-RTTY-PSK.pplan

Enter Name

	From Freq	To Freq	Mode
13	7074	7077	BSF
14	14065	14155	RTTY
15	14065	14100	PSK
16	14000	14070	CW
17	14074	14077	BSF
18	14080	14083	BSF
19	21060	21155	RTTY
20	21065	21100	PSK
21	21000	21070	CW
22	21074	21077	BSF
23	28060	28200	RTTY
24	28065	28095	PSK
25	28000	28070	CW
26	39900	40100	ALL
27	700000	700400	CW
28	21074	21077	BSF

14082
14081
14080
14079
14078
14077
14076
14075
14074
14073
14072
14071

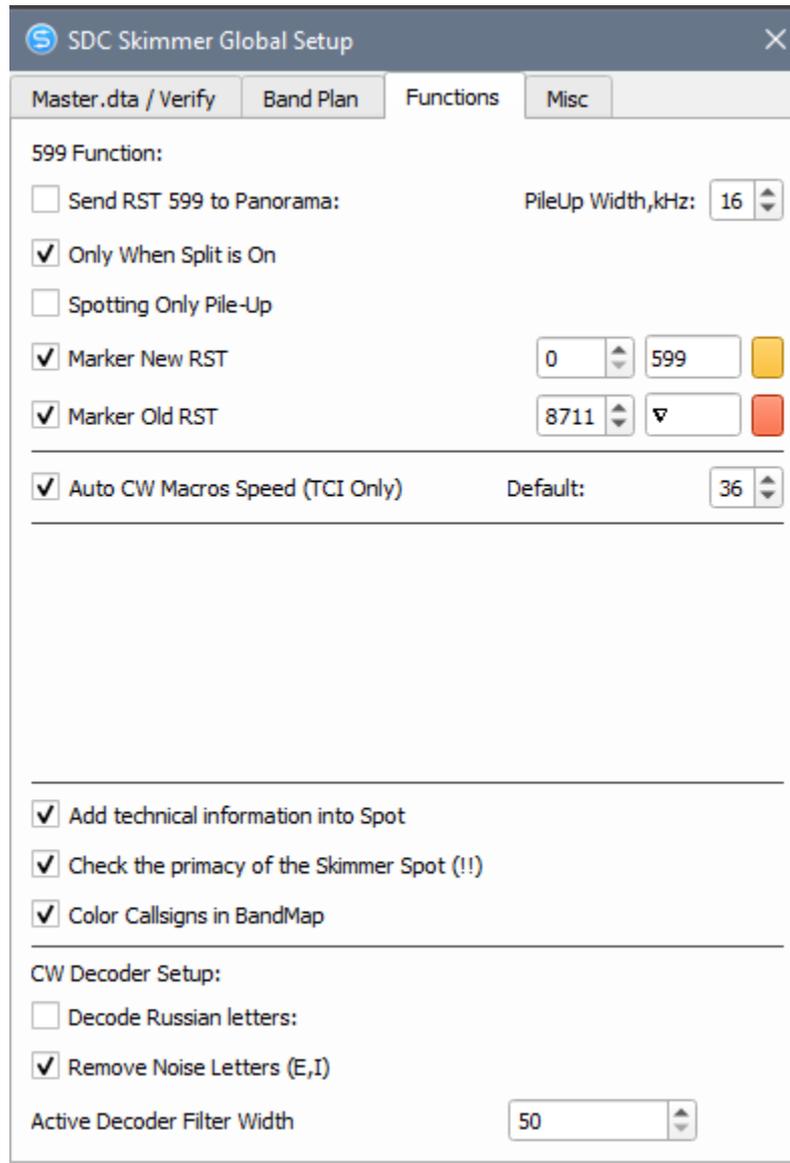
TCI Client 1/Receiver 1

26	39900	40100	ALL
27	700000	700400	CW
28	21074	21077	BSF

BSF Default Apply

BSF, Band Plan "

Functions



Send RST 599 to Panorama.

PileUp Width, kHz - , 599
 Marker New RST - .
 Marker Old RTS - .

- ASCII - ASCII , .

- ASCII , .

599

Auto CW Macros Speed (TCI only) :

CW

TCI.

Default -

Add technical information into Spot -

. F -

Check the primacy of the Skimmer Spot -

"!!".

Start Skimmers Only in CW Mode:

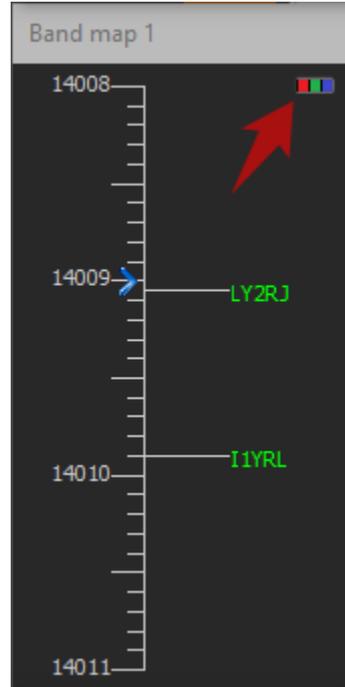
"CW".

Color Calling in BandMap:

BandMap.
: 5MContest, LogHX,

N1MM.

SDC
BandMap :



CW Decoder Setup.

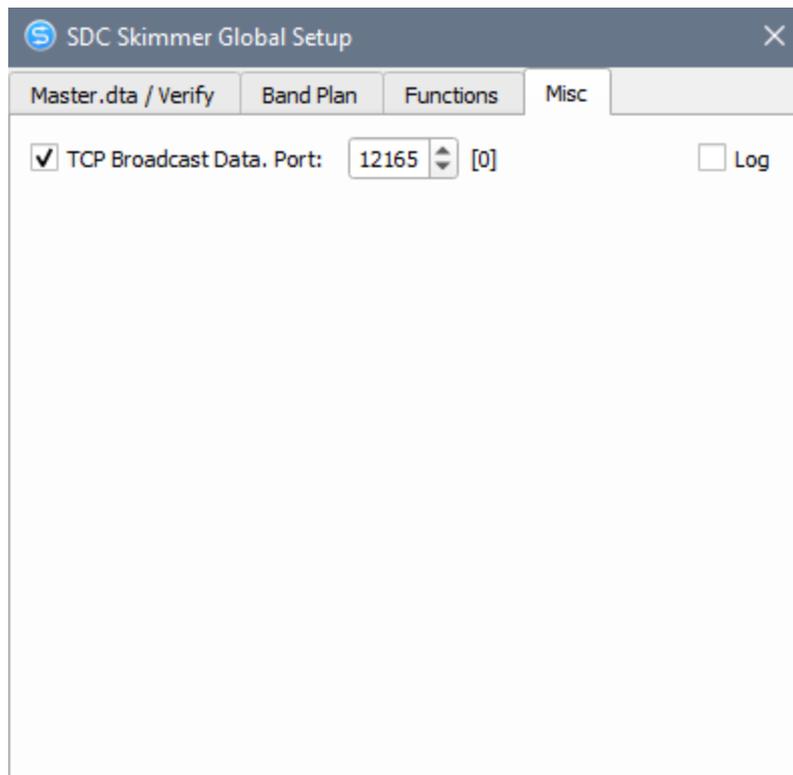
Decode Russian letters: -

Remove noise Letters (E,I) -

Active decoder Filter Width -

Misc

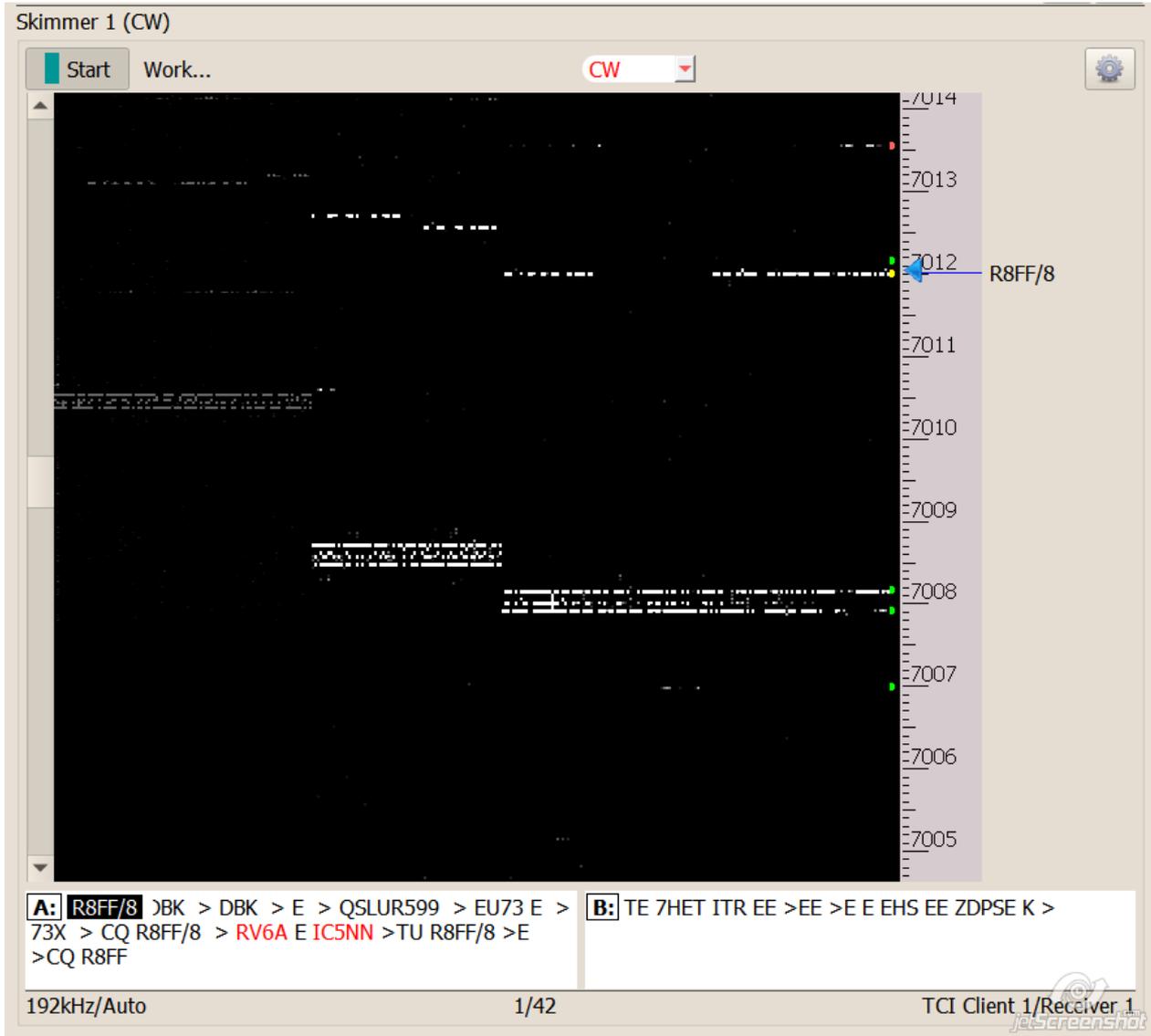
TCP Broadcast Data -



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Окно Скиммера

«Waterfall».



Start -

Telnet Server

Status -

1 -

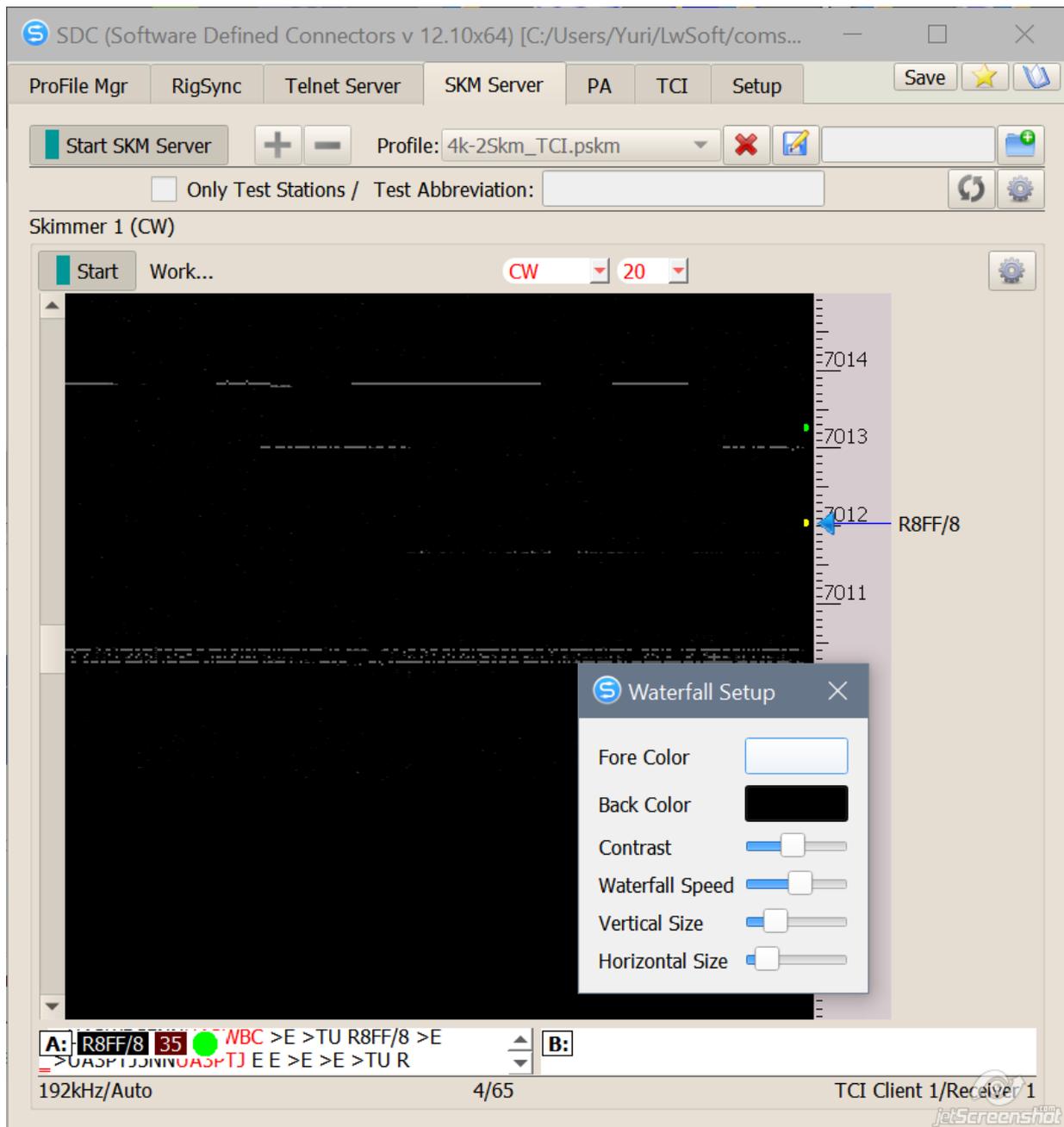
42 -

192kHz/Auto -

TCI/Receiver 1 -

IQ IQ - 192





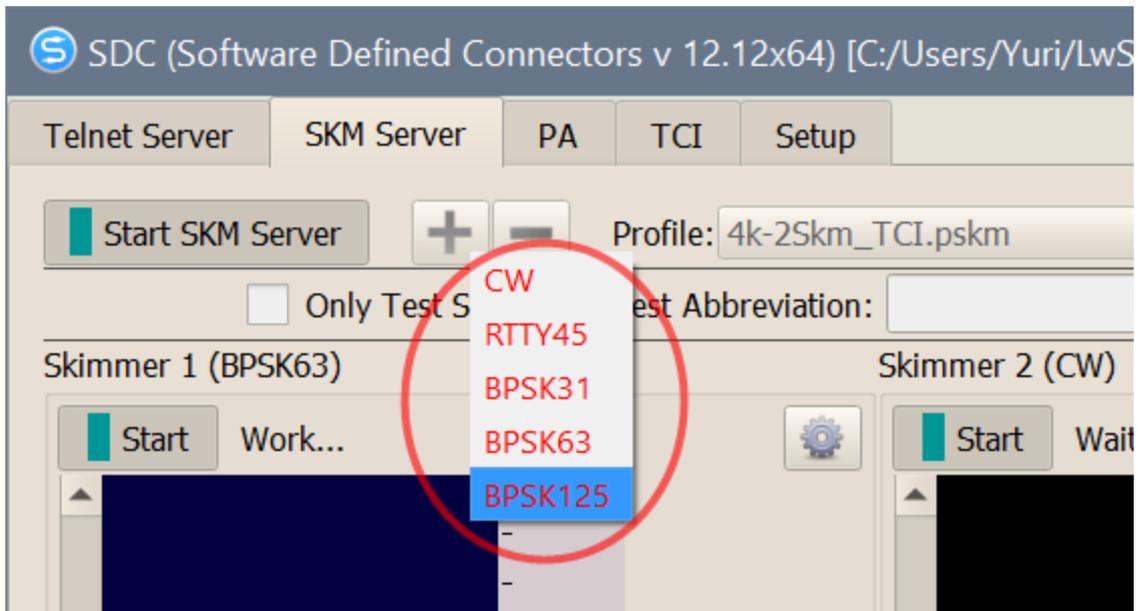
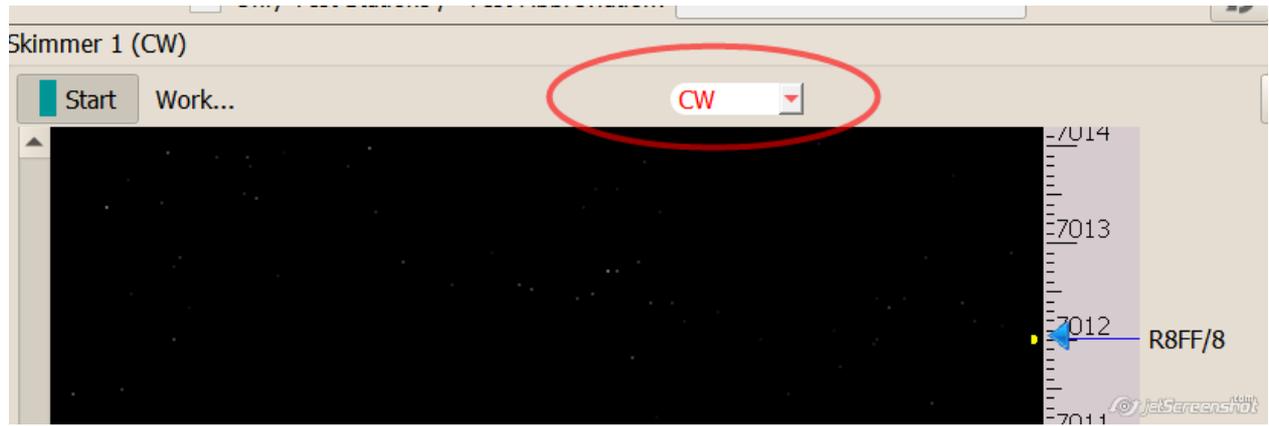
Fore Color, Back color -
 Contrast -
 Waterfall Speed -
 Vertical size -
 Horizontal size -

Created with the Personal Edition of HelpNDoc: [What is a Help Authoring tool?](#)

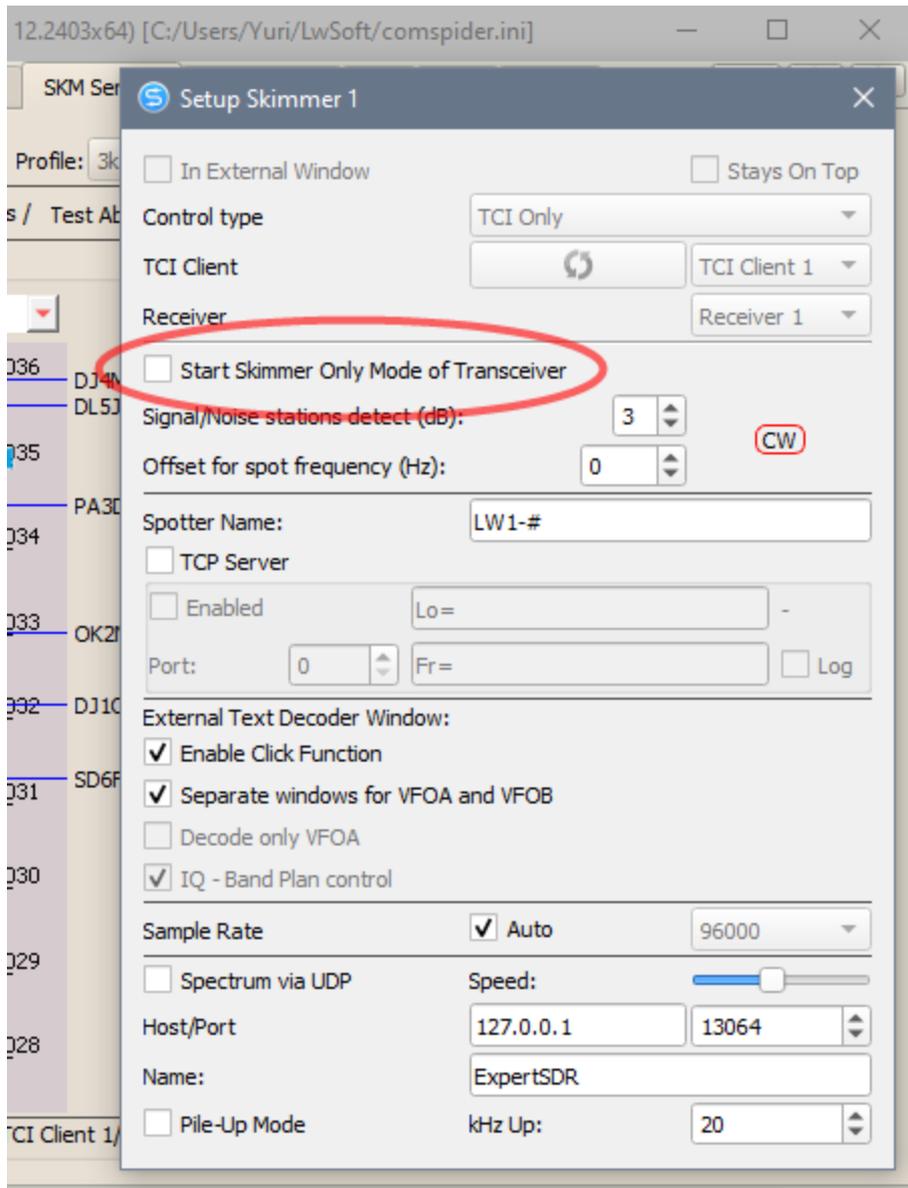
Выбор вида модуляции

SDC Skimmer

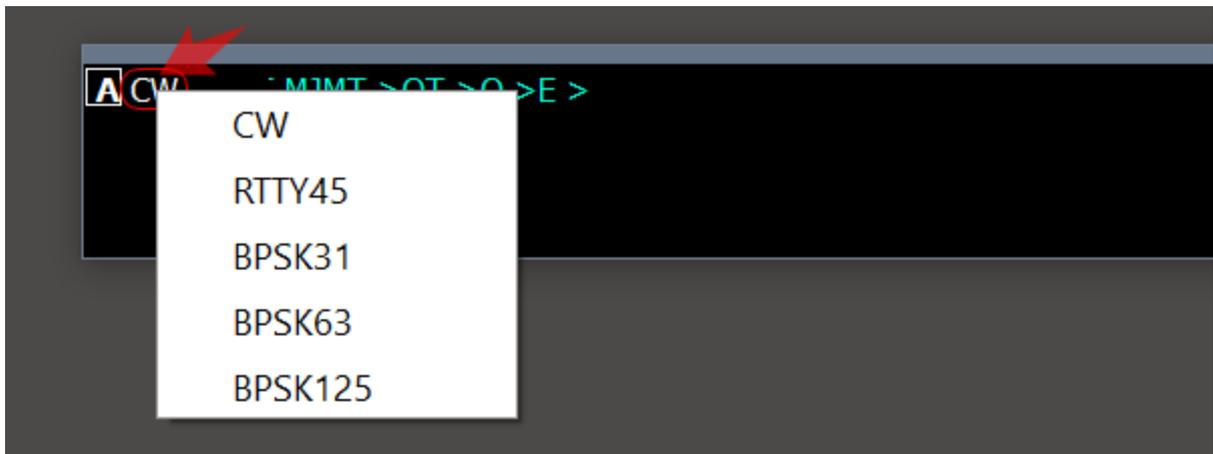
CW,RTTY,PSK



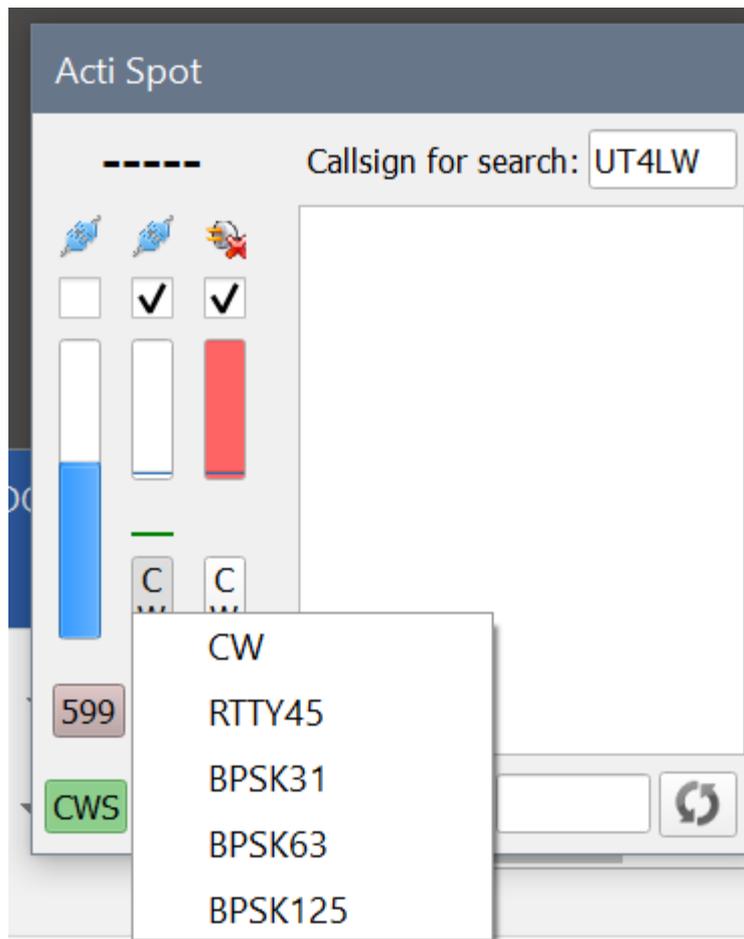
"Start Skimmer Only Mode of Transceiver"



:

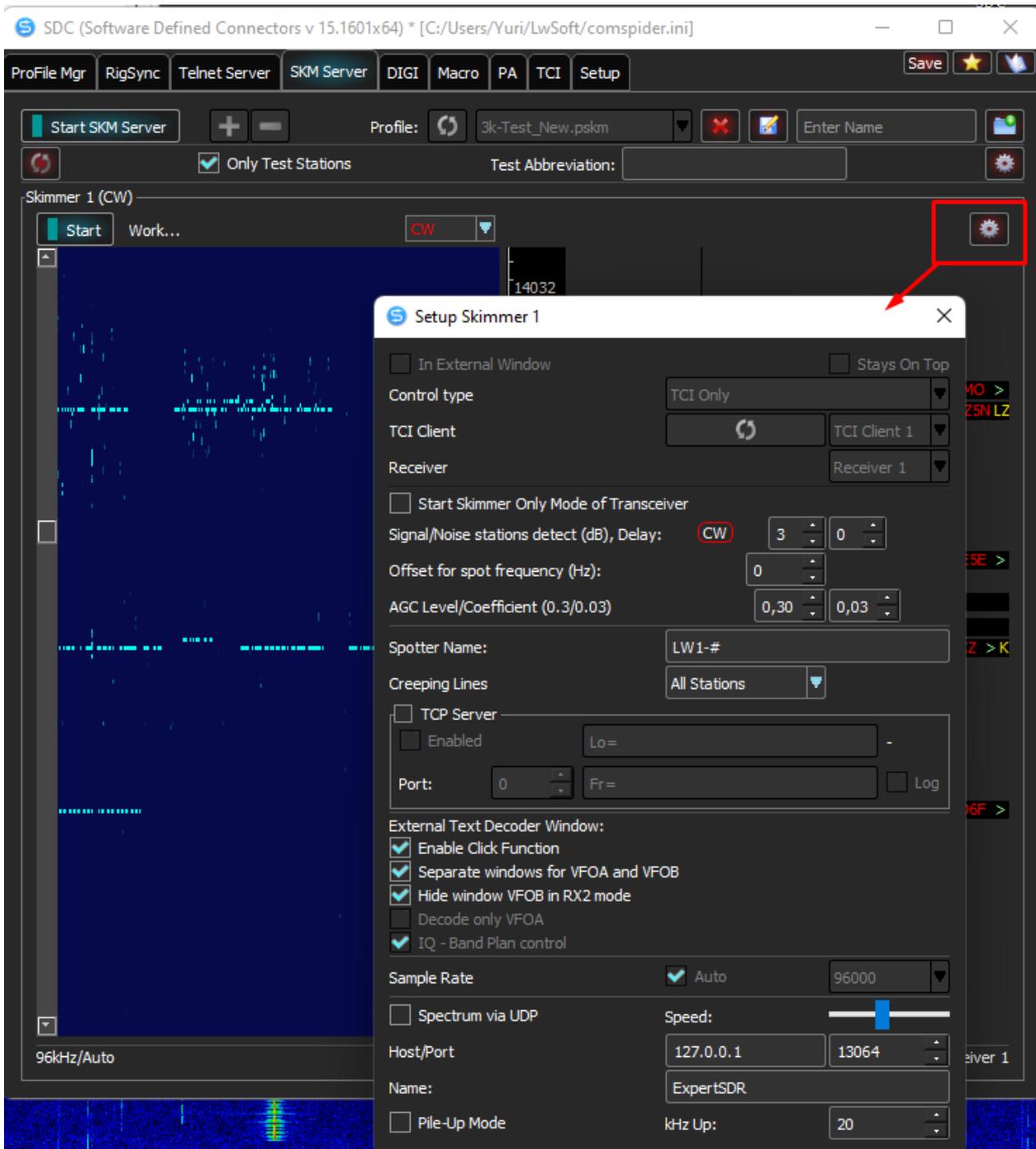


"ActiSpot":



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Установки скиммера.



In External Window -

SDC

Control Type -

TCI Only -
Audio + TCI -
/VAC

CW-

IQ

IQ

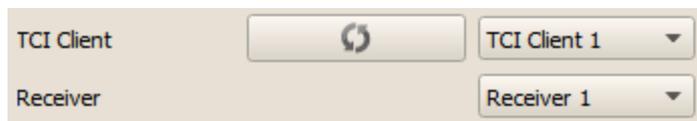
TCI,

TCI.

IQ

VAC

IQ



TCI Client -

Receiver -

TCI

TCI

SDC.

Control type	Audio + TCI
Driver	Windows WDM-KS
Device In	Virtual Cable 1

Audio+TCI,
IQ

Start Skimmer Only Mode of Transceiver:

"CW"

, Skimmer CW

Signal/Noise stations detect:

. Delay: -

Offset for spot frequency.

Signal/Noise stations detect (dB):	3
Offset for spot frequency (Hz):	0

(Note: A red circle highlights the 'CW' label in the original image, with red arrows pointing to the dB and Hz input fields.)

Spotter Name –

Creeping Lines –

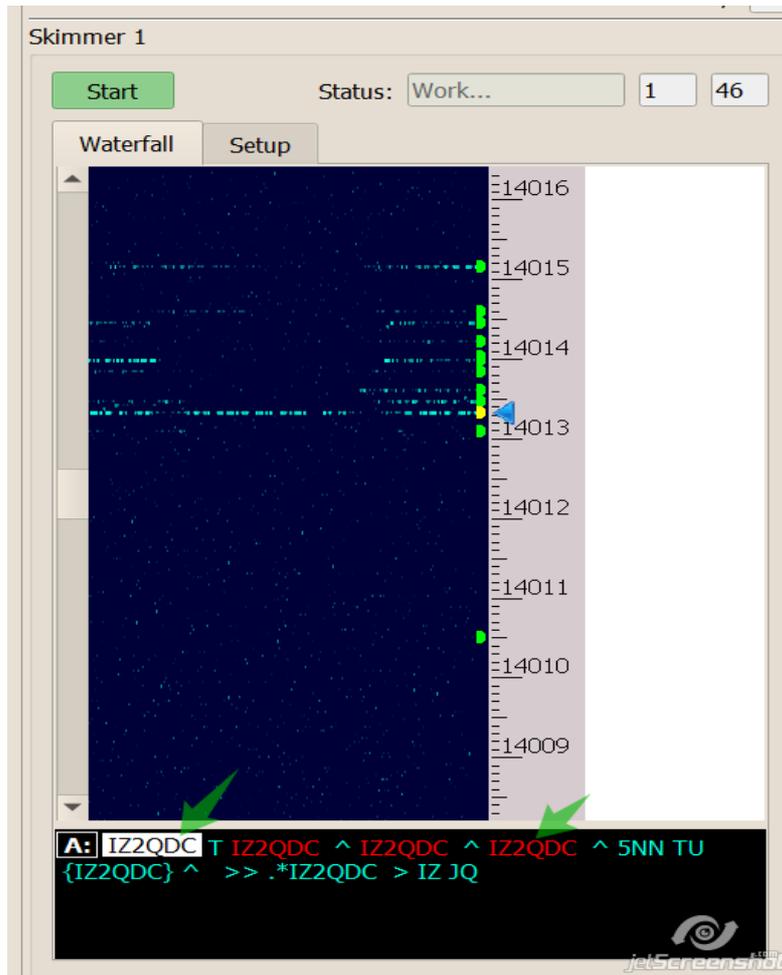
TCP Server –

External Text Decoder Window

Enable Click Function:

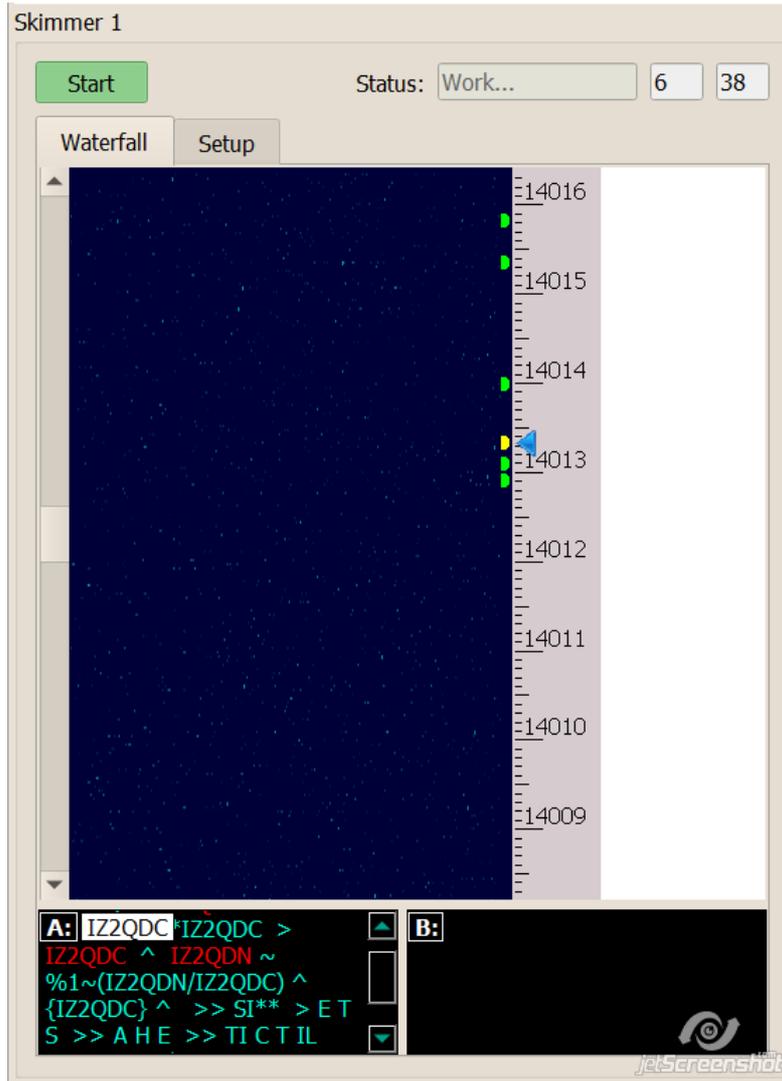
:> To ALL de SKIMMER

<1353Z> : Clicked on "IZ2QDC" at 14013.32



Separate windows for VFOA and VFOB:
VFO:

:

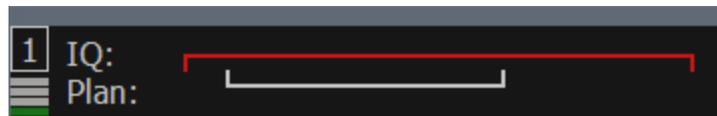


Decode only VFOA:

VFO. , VFOA/VFOB VFOA.

IQ - Band Plan control:

IQ :



Sample Rate:

Auto - , IQ . "TCI Only". "Auto",

Spectrum via UDP

SDC-Skimmer ,
N1MM, UDP .

Setup Skimmer 1

In External Window Stays On Top

Control type: TCI Only

TCI Client: TCI Client 1

Receiver: Receiver 1

Start Skimmer Only Mode of Transceiver:

Signal/Noise stations detect: 3,00

Spotter Name: LW1-#

Offset for CW spot frequency (Hz): 0

TCP Server

Enabled Lo= -

Port: 0 Fr= Log

External Text Decoder Window:

Enable Click Function

Separate windows for VFOA and VFOB

Decode only VFOA

IQ - Band Plan control

Sample Rate: Auto 96000

Spectrum via UDP Speed: [Slider]

Host/Port: 127.0.0.1 13064

Name: ExpertSDR

Pile-Up Mode kHz Up: 20

Spectrum via UDP -

UDP

Host -

UDP

Port -

Speed -

UDP

Name -

UDP

Pile-Up Mode -

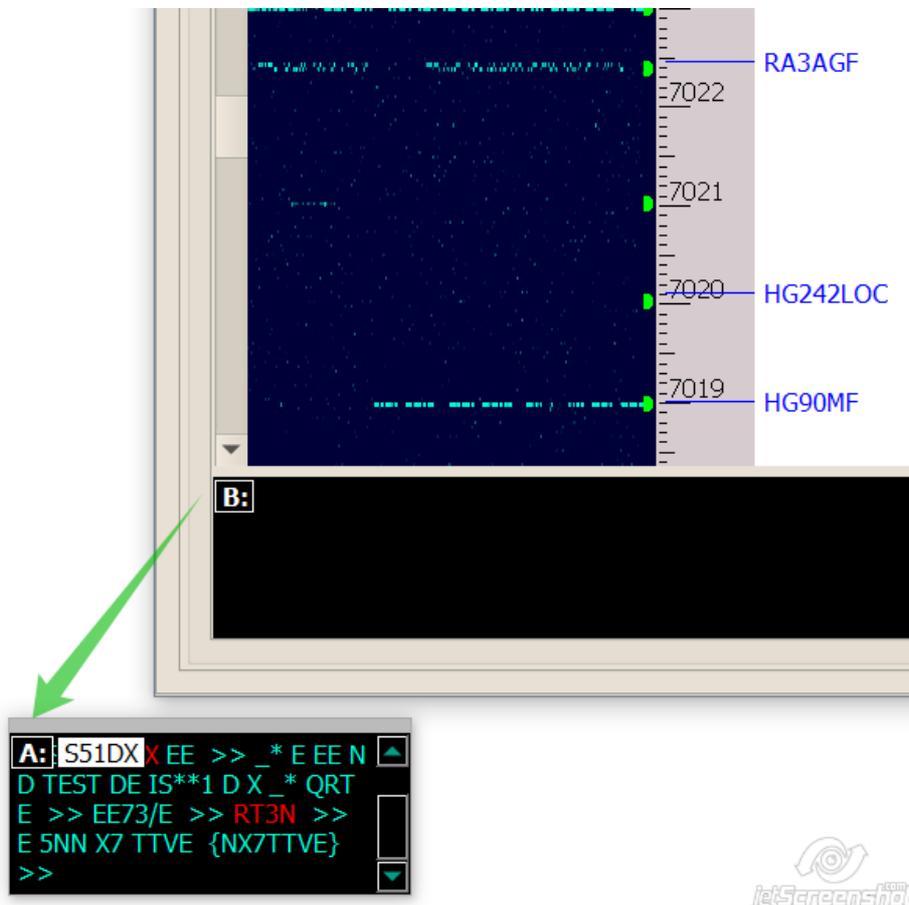
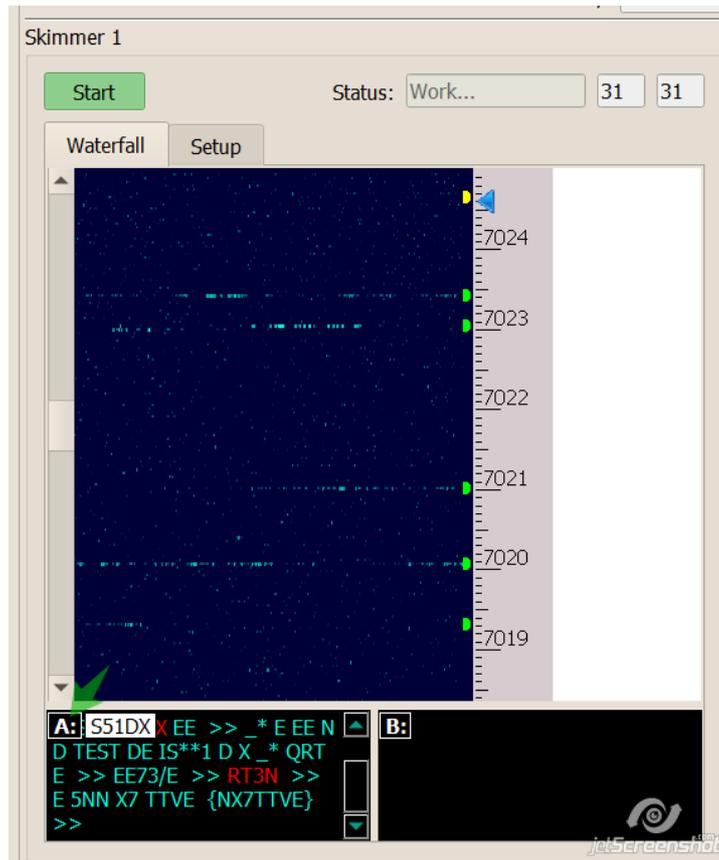
VFOA - 1 kHz

"kHz Up"

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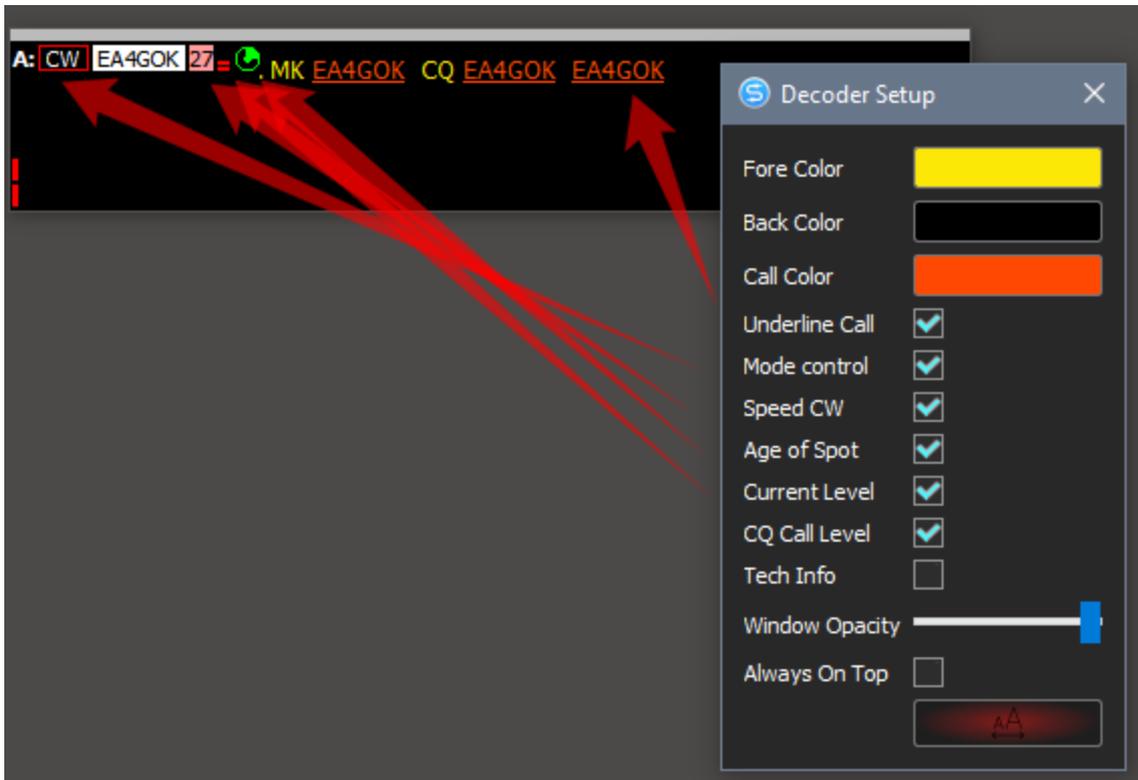
Окно декодера

VFO (A:, B:)



VFO

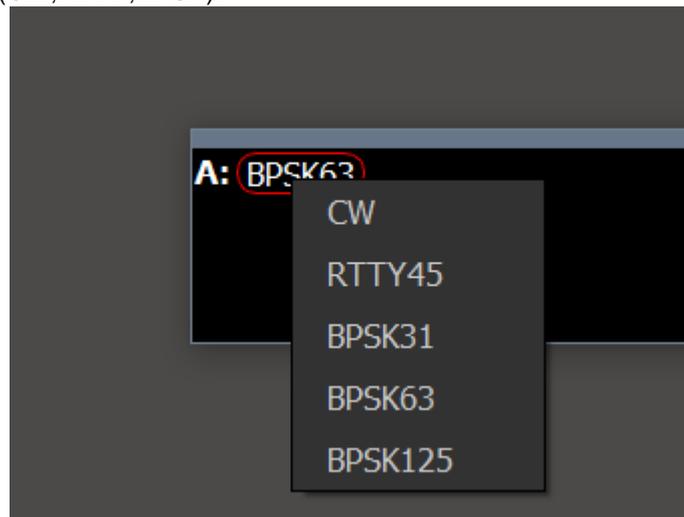
(S51DX).



Underline Call -

Mode Control -

"Start Skimmer Only of Mode Transceiver",
(CW,RTTY,BPSK):



Speed CW -

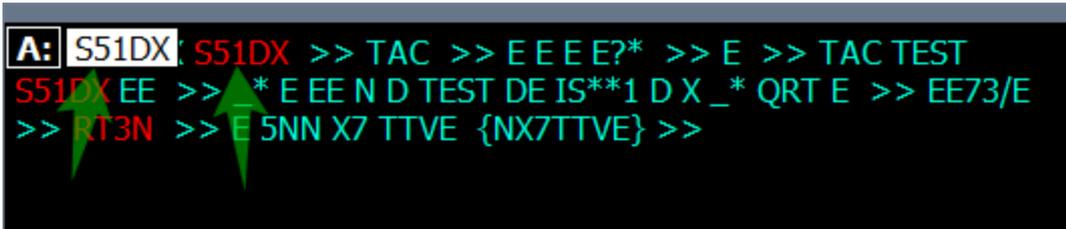
Age of Spot -

Current Level -

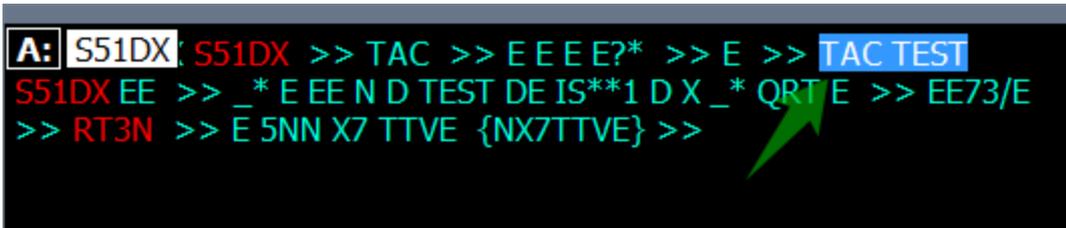
CQ Call Level -

Клик функции

1. : To ALL de SKIMMER <1353Z> : Clicked on "S51DX" at 14013.32



2. Ctrl+V



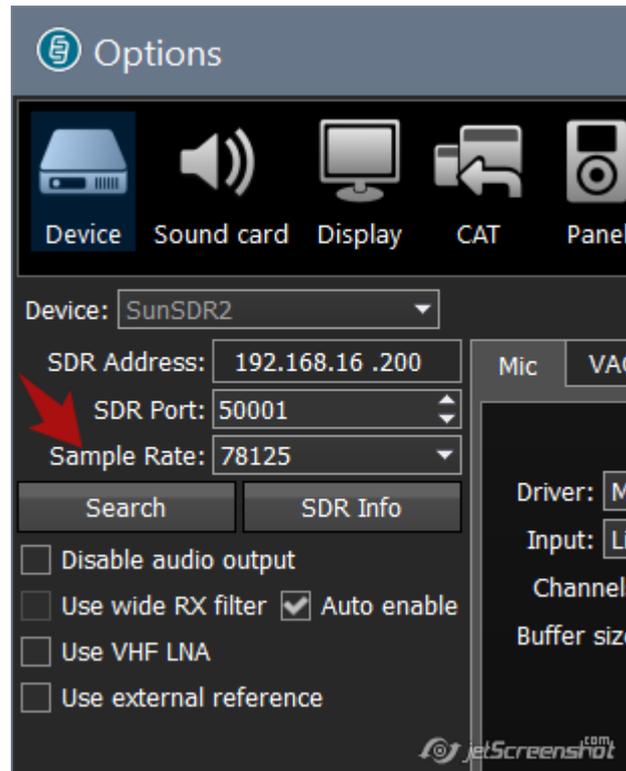
Окно IQ/Band Plan

IQ



- 1 -
- 2 -
- 3 -
- 4 -

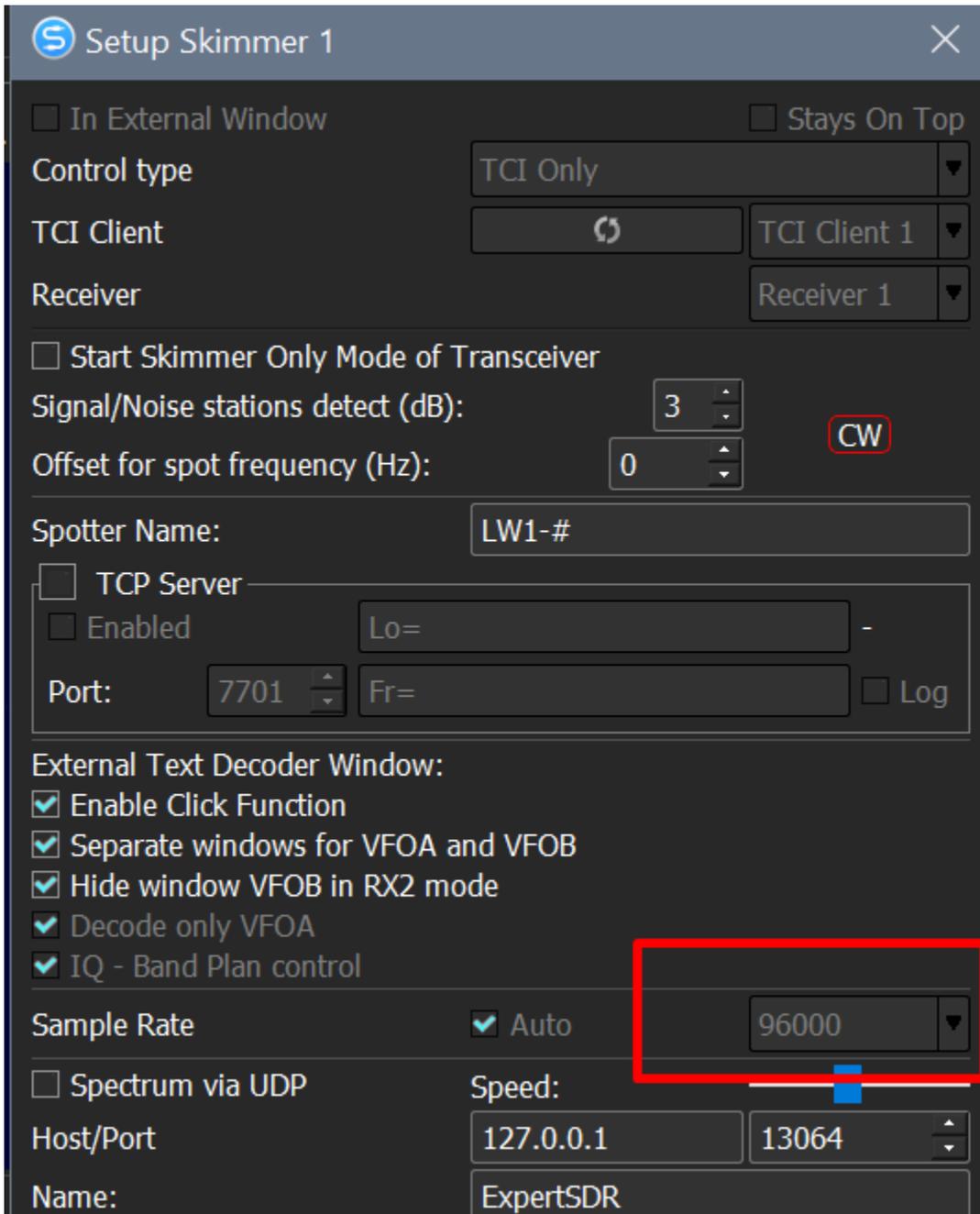
1. IQ Sample Rate : CW- SKM-Server.



2.

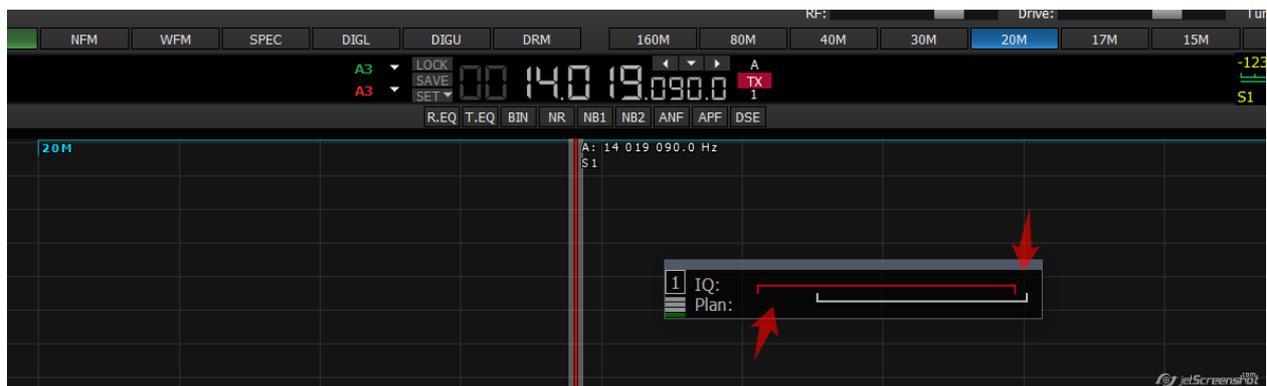
Sample Rate

:



3.

IQ



IQ

Функция 599

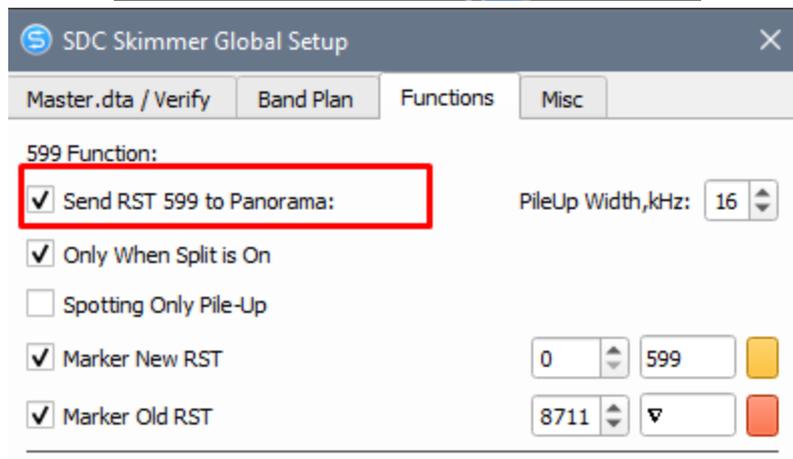
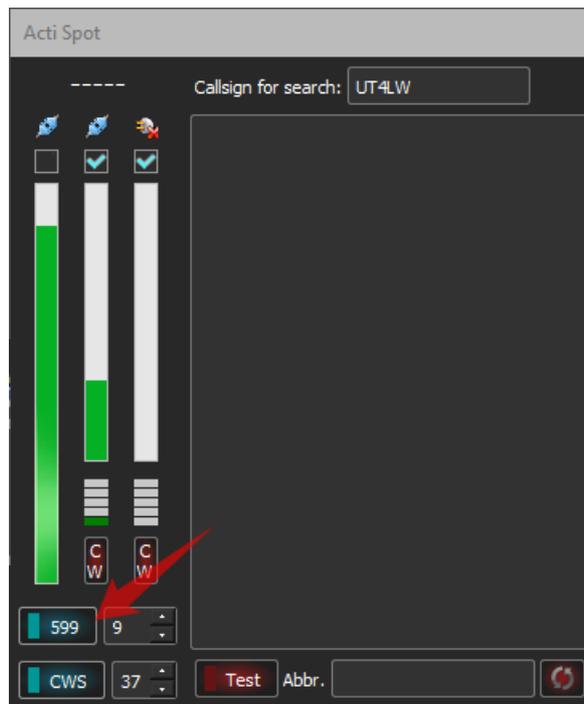
599

DX.

DX-Up.

"599"

ActiSpot,



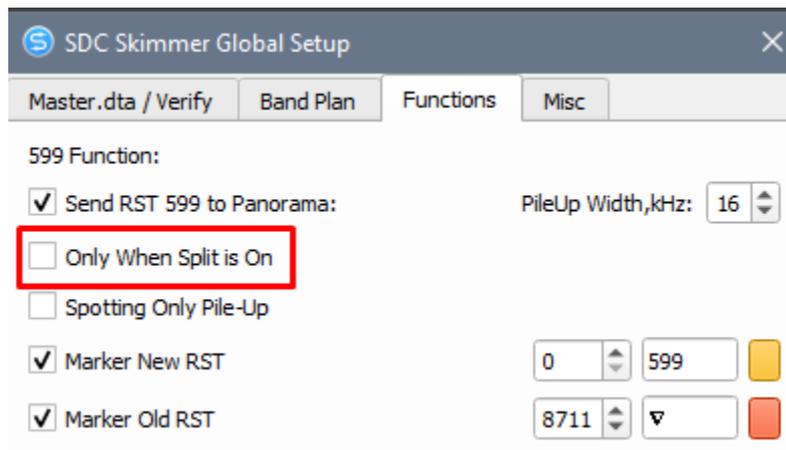
"599"

599
"ActiSpot"

"Split".

599

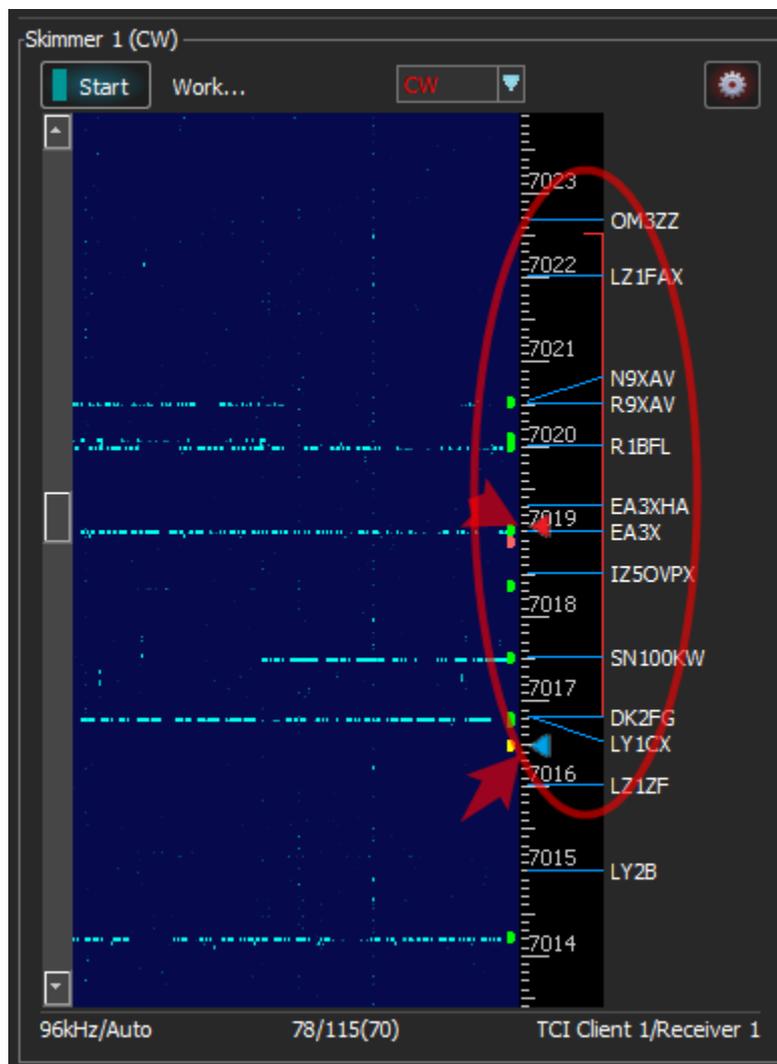
Split,



"599".

VFOA,

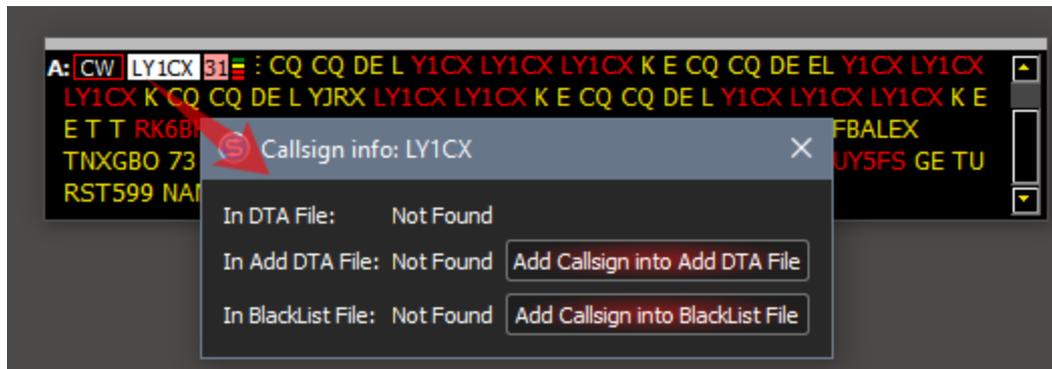
- VFOB.



"Spotting only Pile-Up"
Pile-Up

Окно информации о позывном.

, Telnet Server - BandMap,

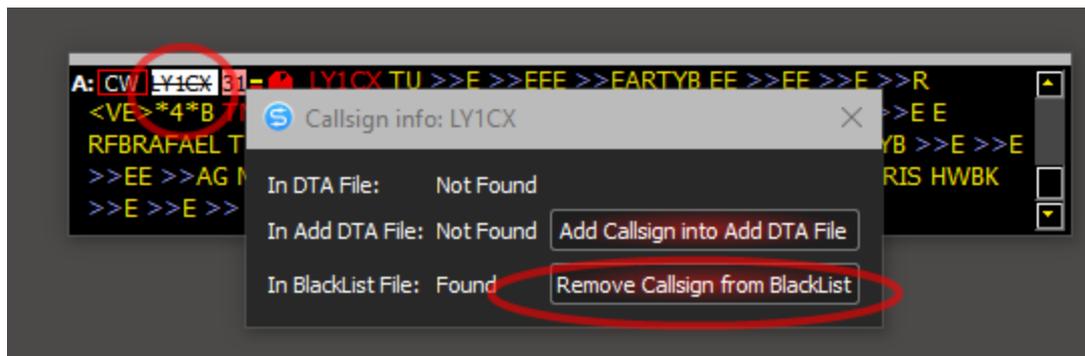


In DTA File: Not Found -

Master.DTA

"Add Callsign into Add DTA File" "Add Callsign into BlackList File" -

BlackList,



BlackList,

"Add File", "Black List"

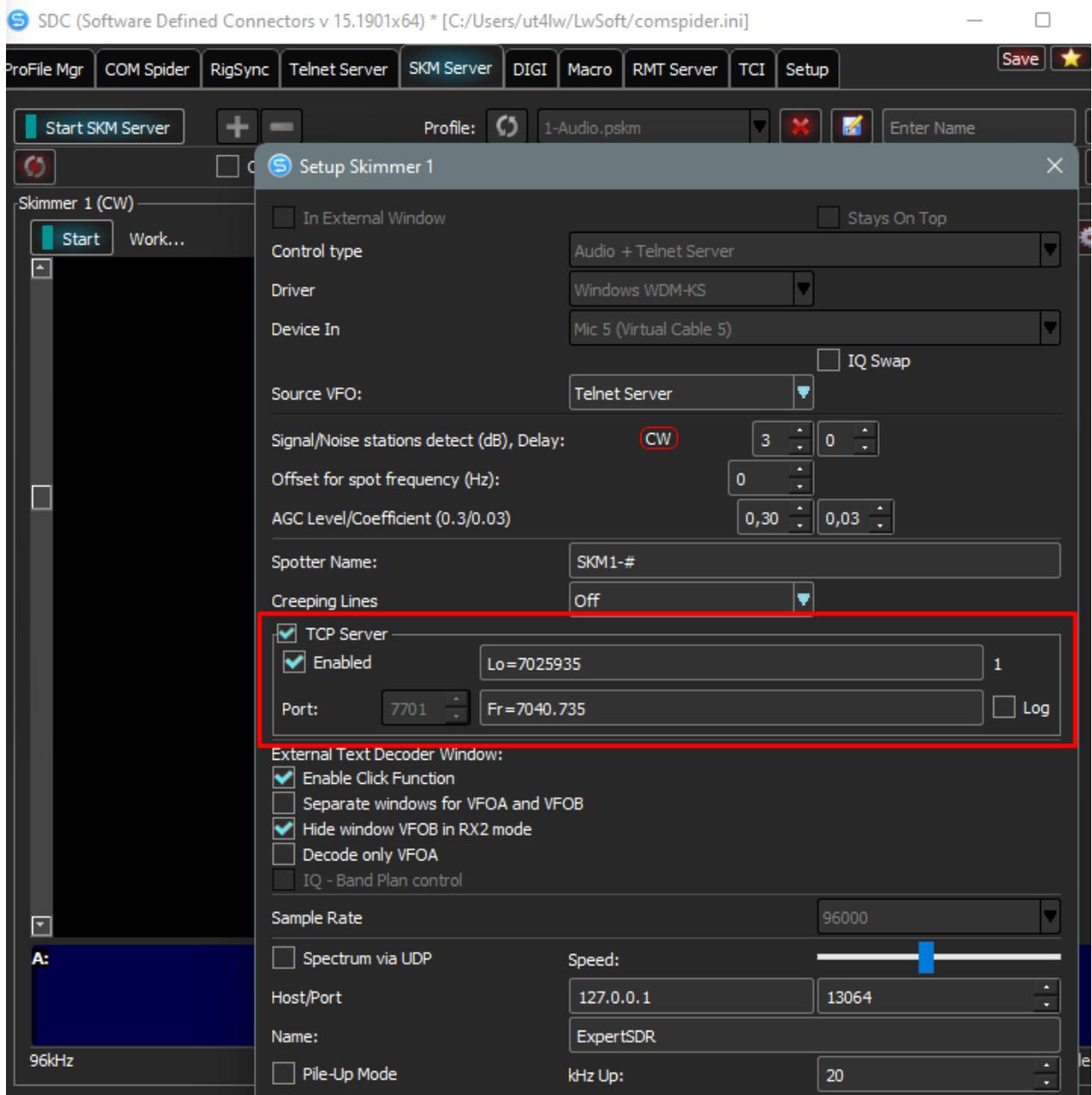
"add_dta.txt", "blacklist.txt".

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Управление скиммером через Telnet

[SDC](#)

TCP Server:

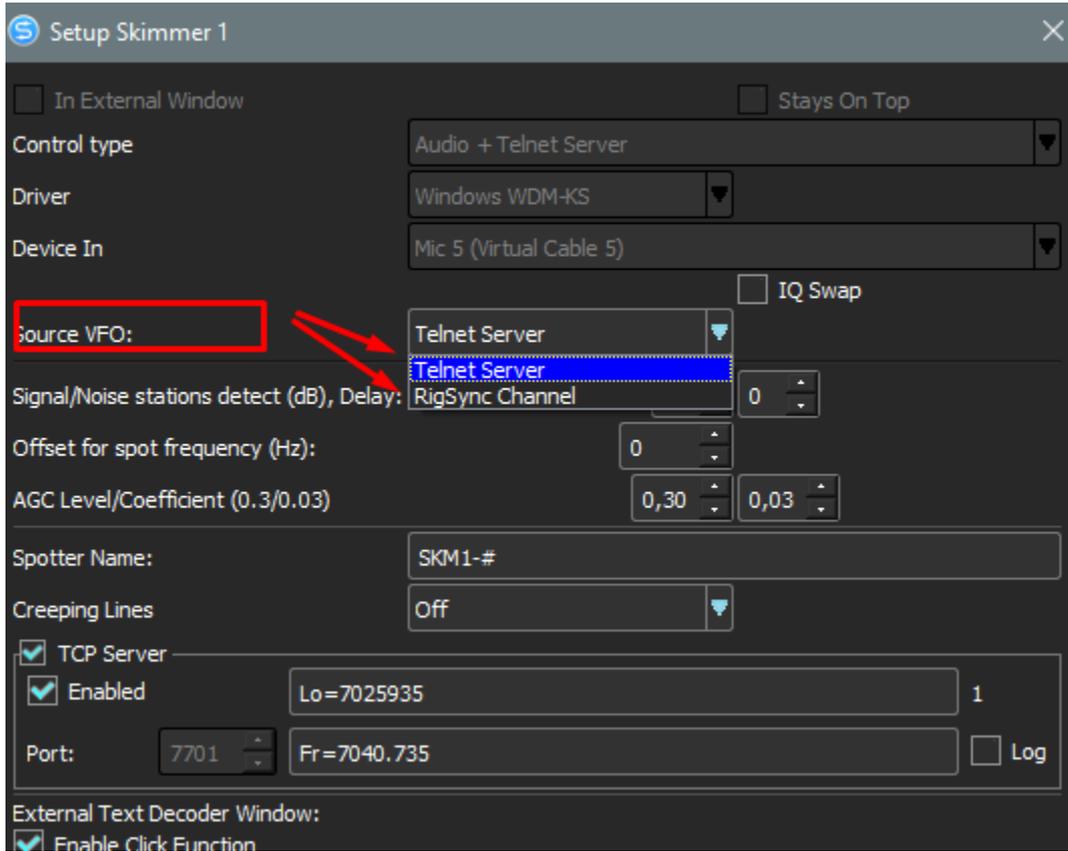


[VE3NEA](#),
 IQ VFOA.
 TCP Server ExpertSDR2, SmartSDR, Afedri.
[R5AU](#) [SmartSDR \(Flex-6700\)](#).

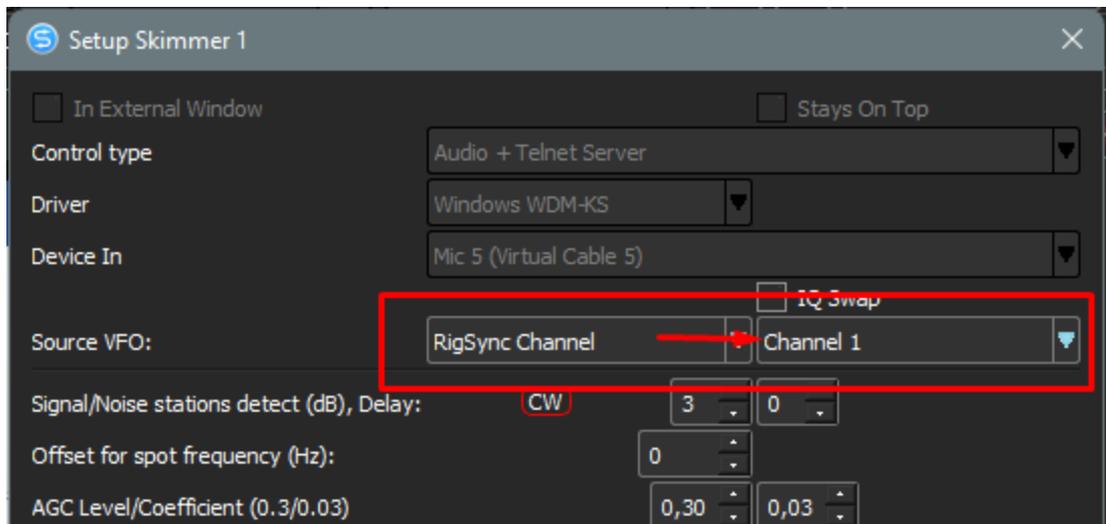
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Источник VFO

- SDC VFO :
1. Telnet Server - VFOA ,
 2. RigSync Channel -



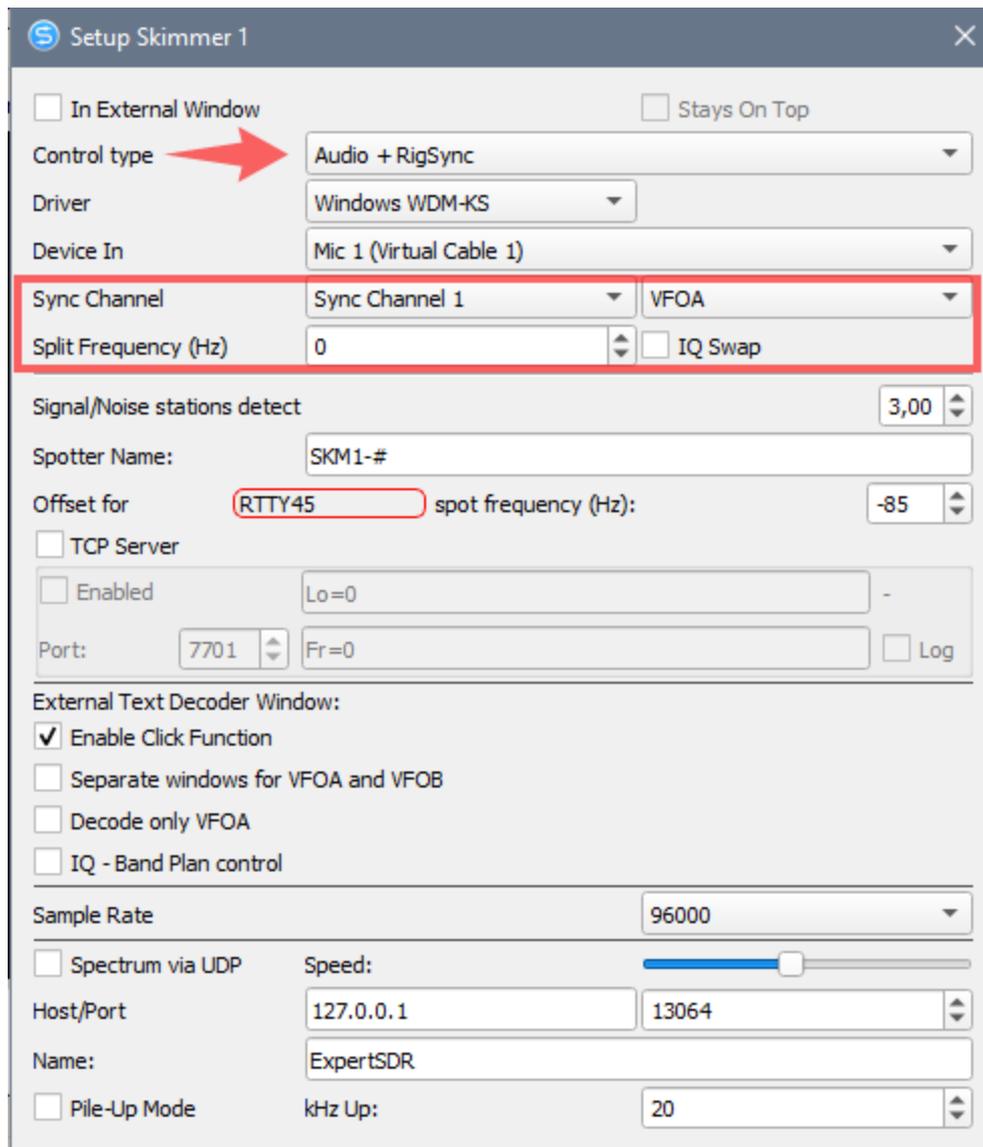
VFOA, RigSync Channel, VFOB.



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Управление скиммером через RIG Sync

SDC [SDC](#) VFOA/VFOB RIG
 Sync: SDC - RIG Sync.



RIG Sync

, VFO, ,

IQ

CAT.

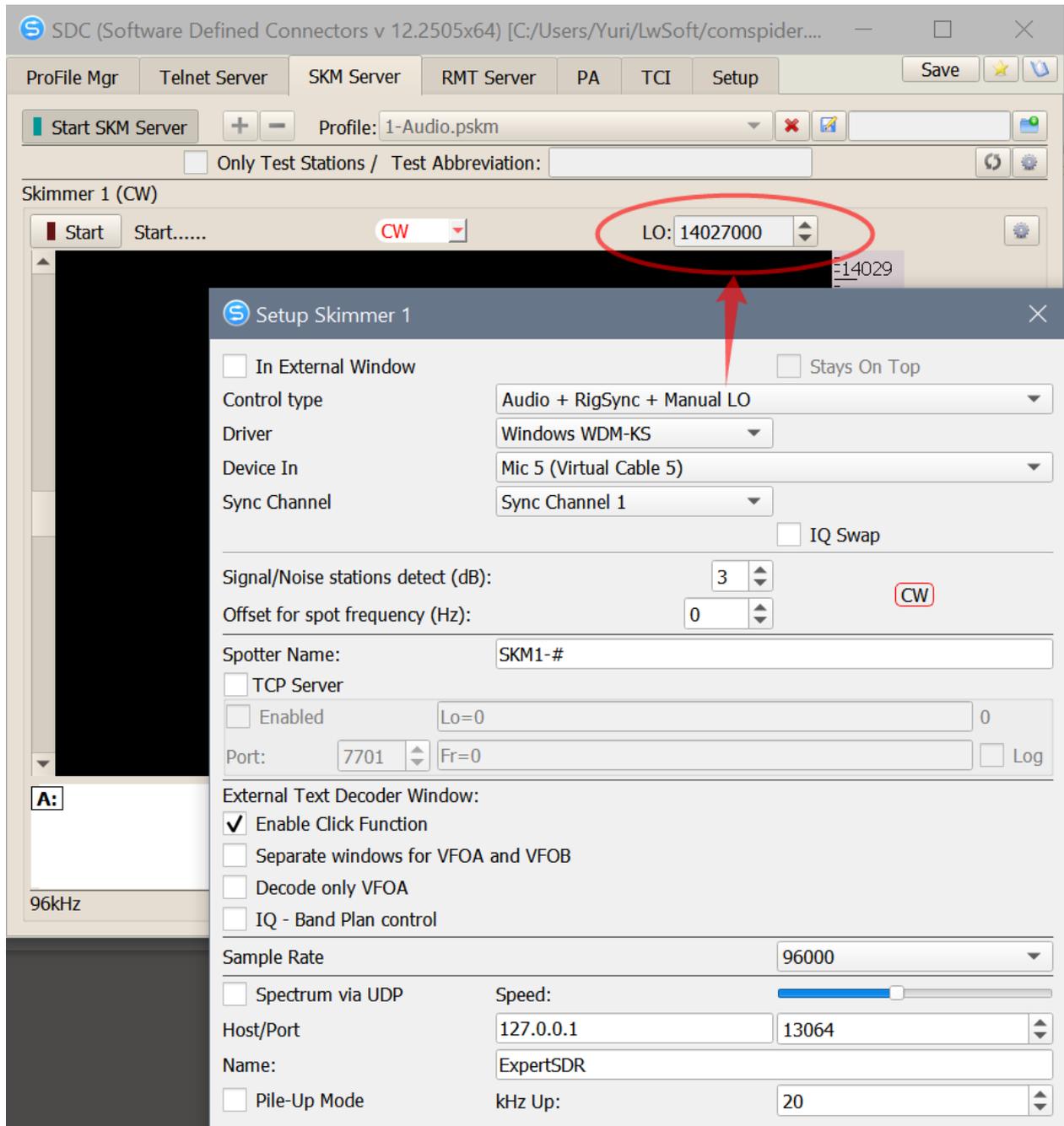
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Ручное управление скиммером

[SDC](#)

RIG Sync:

VFOA/VFOB



IQ

Enter, ,

"LO".

"LO".

RIG Sync

IQ

CAT.

Бегущая строка

SDC (Software Defined Connectors v 15.1601x64) * [C:/Users/Yuri/LwSoft/comspider.ini]

ProFile Mgr RigSync Telnet Server SKM Server DIGI Macro PA TCI Setup Save

Start SKM Server Profile: 1-Audio.pskm Enter Name

Only Test Stations Test Abbreviation:

Skimmer 1 (CW) LO: 14034690

14036 I6FDJ I6FD<SK>*TEST > TESTI6FDJ TEST > TESTI6FDJ
F**EP Q > F6EPQ 5AEN10 > O2 > CFM GATU
RT7C 5NN ?63 > RT7C 5NN 463 > CQ
14035 EO > OZ7K**80 LY80 > F6IHR 5NN 1789 >
* A2EY > NMGA3EY >
14034 DM6V Γ > CQ DM6V DM6V TEST > CQ DM6V DG6V TI
OL3Z OL3Z TEST > CQ OL3Z OL3Z TEST > RT7C 5NN 2
YT1T TNN 1046 > TU YT1T TEST > EM8DX 5NN 104
14033 CTNEN ETEST > K > <VE>*QTESI HP55 6G5*
HG4I EST > CQ HG4IHG4ITEST > CQ HG4IHG4ITE
> **EHEENET A**IA EEUJEE > **TETT TTT >
> EA TTT > EA6 > GT > A7MT 5NN 820 > 5N

A: KTIR NBAHTIR N* > 5TEER IB*TTTBTTPETTJE AT IAE I* > DGBID PT

96kHz 77/219(201) Mic 5 (Virtual Cable 5)

Setup Skimmer 1

In External Window Stays On Top

Control type: Audio + Telnet Server

Driver: Windows WDM-KS

Device In: Mic 5 (Virtual Cable 5)

IQ Swap

Signal/Noise stations detect (dB): 3

Offset for spot frequency (Hz): 0

AGC Level/Coefficient (0.3/0.03): 0,30 0,03

Spotter Name: SKM1-#

Creeping Lines: All Stations

TCP Server

Enabled Lo=14034690 1

Port: 7701 Fr=0 Log

External Text Decoder Window:

Enable Click Function

Separate windows for VFOA and VFOB

Hide window VFOB in RX2 mode

Decode only VFOA

IQ - Band Plan control

Sample Rate: 96000

Spectrum via UDP Speed: [Slider]

Host/Port: 127.0.0.1 13064

Name: ExpertSDR

- Off -
- Verified Call Only -
- All Station -

The screenshot displays a software interface with a list of call signs and their associated test messages. The interface includes a 'Start' button, a 'Work...' field, a 'CW' indicator, and a 'LO: 14034690' field. The list of call signs and messages is as follows:

Call Sign	Message
14034	LTI 5DN HT59 > K > G G2A > 5NSE ETEDZ2
DM6V	DM6V DM6V TEST > CQ DM6V DM6V TEST >
OL3Z	Z OL3Z TEST > CQ OL3Z OL3Z TEST > CQ OL
14033 DP5W	HA NESTE DP5EM B RN5W O**** > OIN5 > Z5 OF5CZ >
OK1	OK1 > G >
	> ESTE TEV* A4IT > ETT EE*EE6*EE > E > H J EF5T > F6IEE HR 5NN 824 > TU EF5T > F4
14032 S50C	I 3147 > TU SB0C > CQ S50C > CQ S50C >
HG1R	HG1R > TEST HG1R > TEST HG1R > TEST H
14031 9A1A	Q 9A1A 9A1A TEST > CQ 9A1A 9A1A TEST >
YT5A	Q YT5A YT5A TEST > CQ YT5A YT5A TEST >

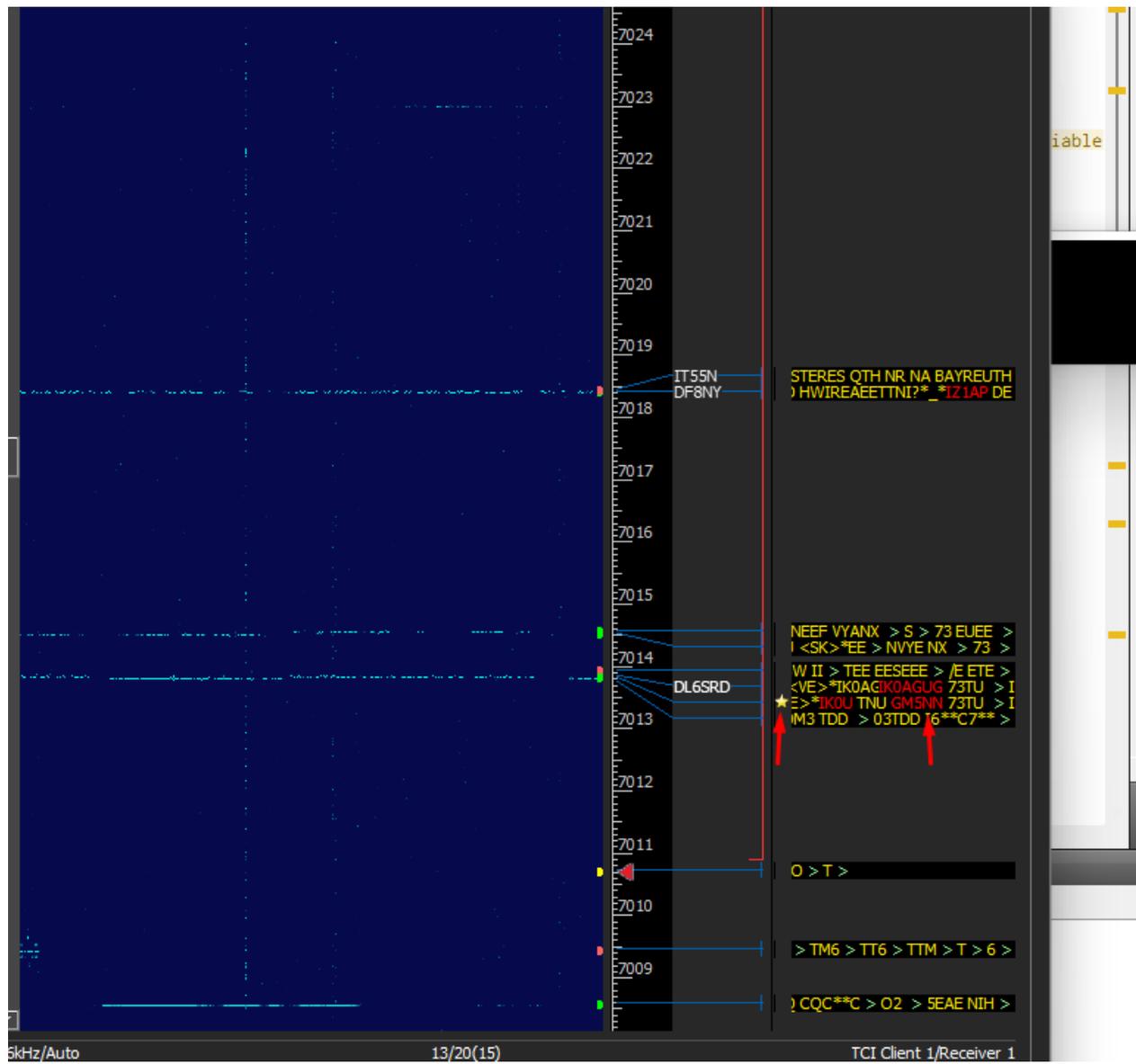
A red box highlights the call sign '14033' and a red arrow points to it from below. At the bottom of the interface, there is a message: 'A: KTIR NBAHTIR N* > 5TEER IB*TTTBTTPEJTJE AT IAE I* > DGBID PT'.

Created with the Personal Edition of HelpNDoc: [Free CHM Help documentation generator](#)

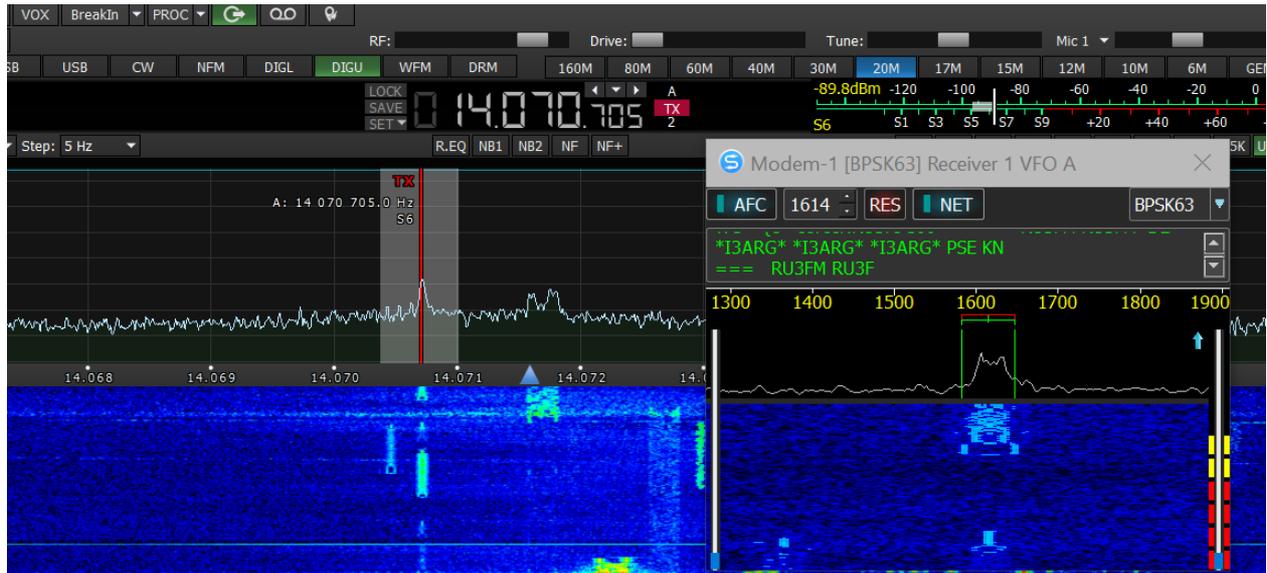
599 в бегущей строке

: 599,

"599"



DIGI Server



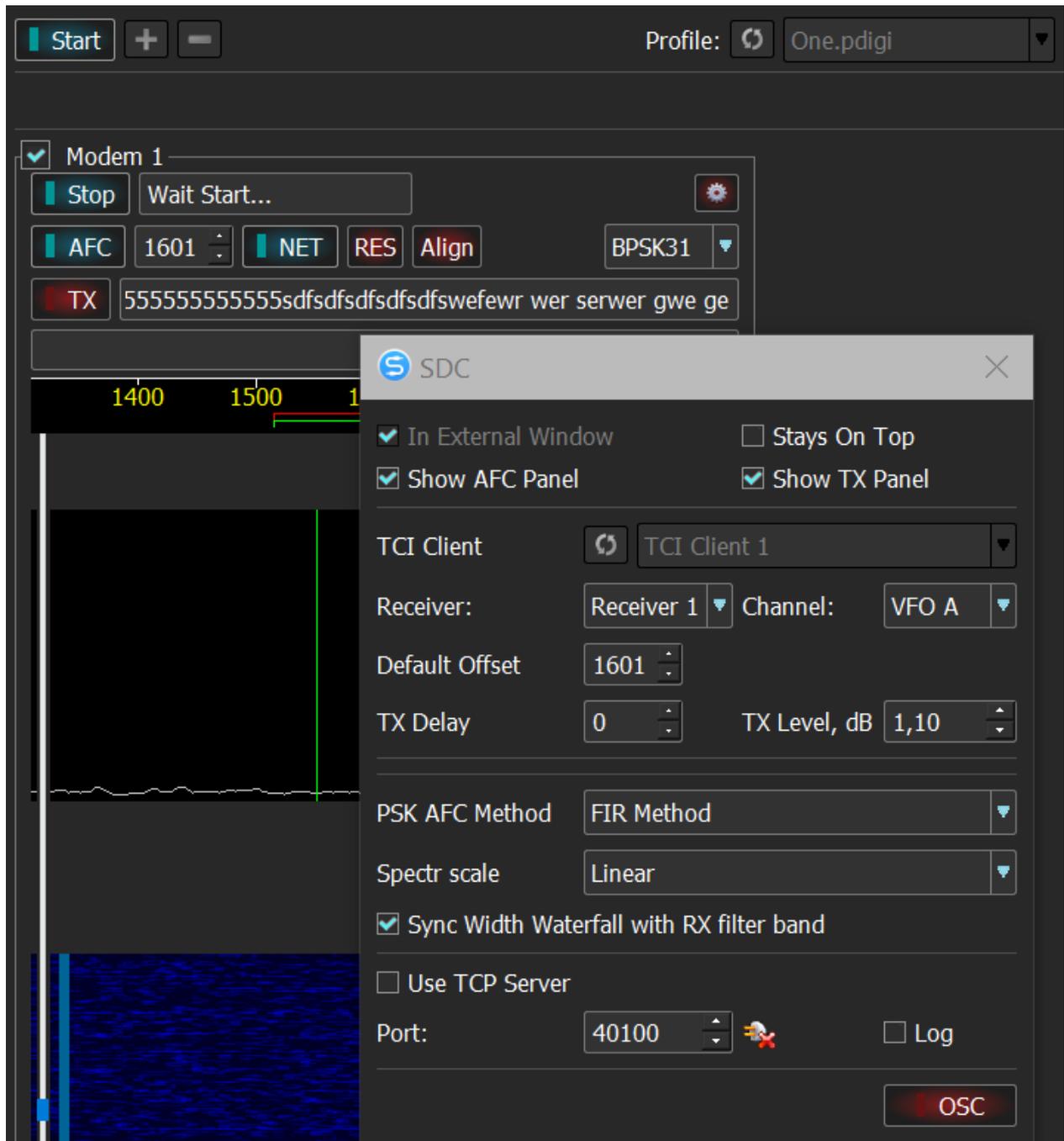
14.01

SDC
RTTY, BPSK.

DIGI Server.

TCI

Настройка модема



"+".

In External Window -

Stays On Top -

Show AFC Panel -

AFC - SDC,

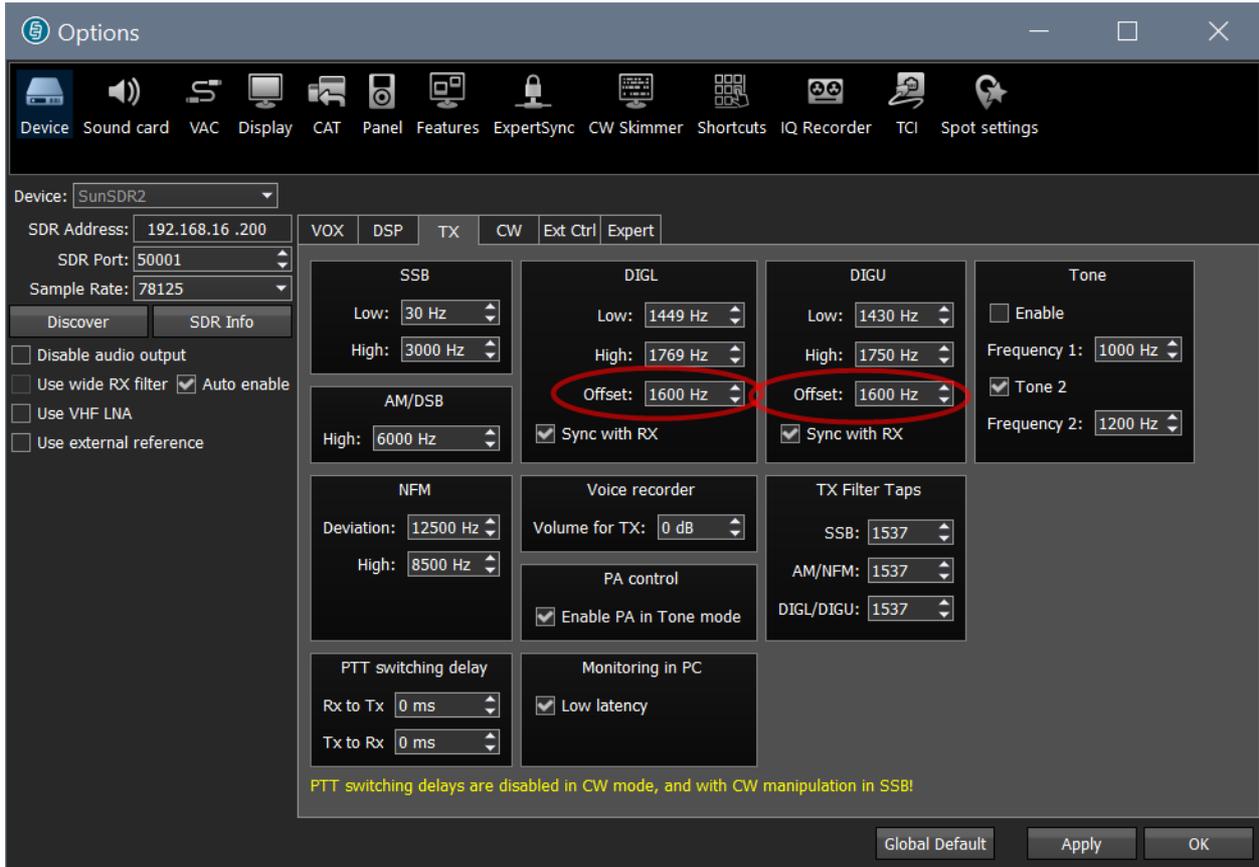
Show TX Panel -

TX - SDC,

TCI Client - TCI,

Receiver Channel - VFO,

Default Offset -



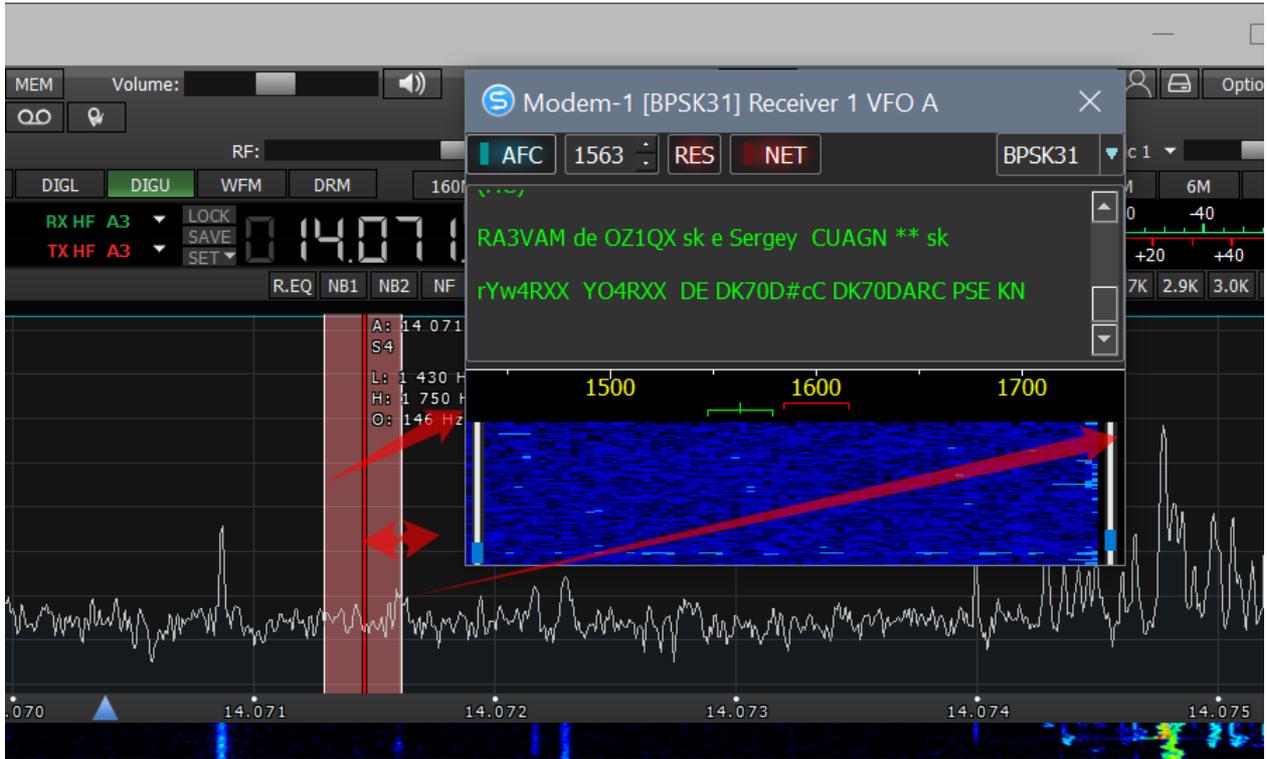
TX Delay -
TX Level, dB -
Spectr scale -

PTT.
 dB.

PSK AFC Method - AFC.

FIR Method -
 FIR + FFT Method -
 FFT Method -

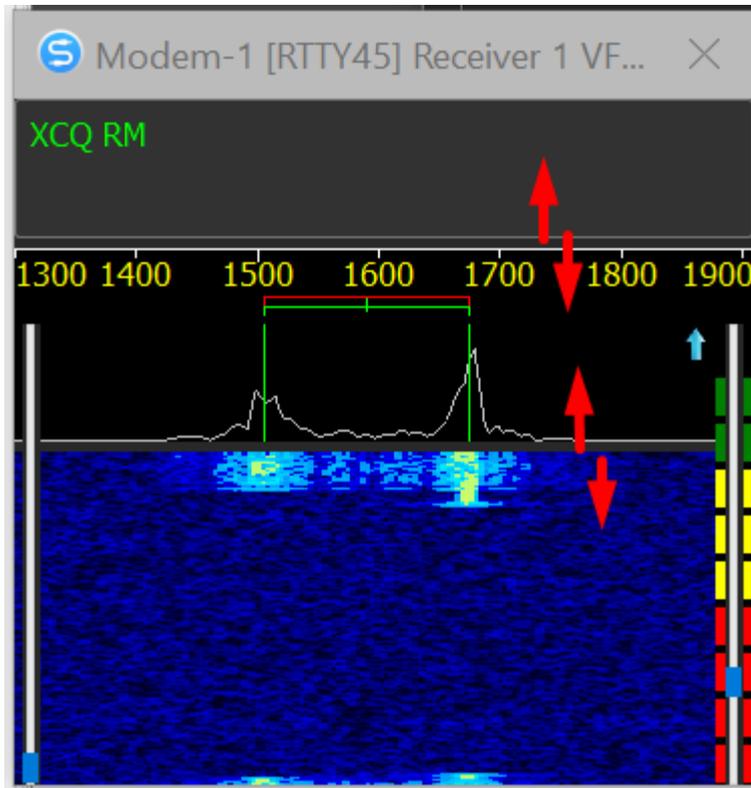
Sync Width Waterfall with RX filter band-



Use TCP Server -

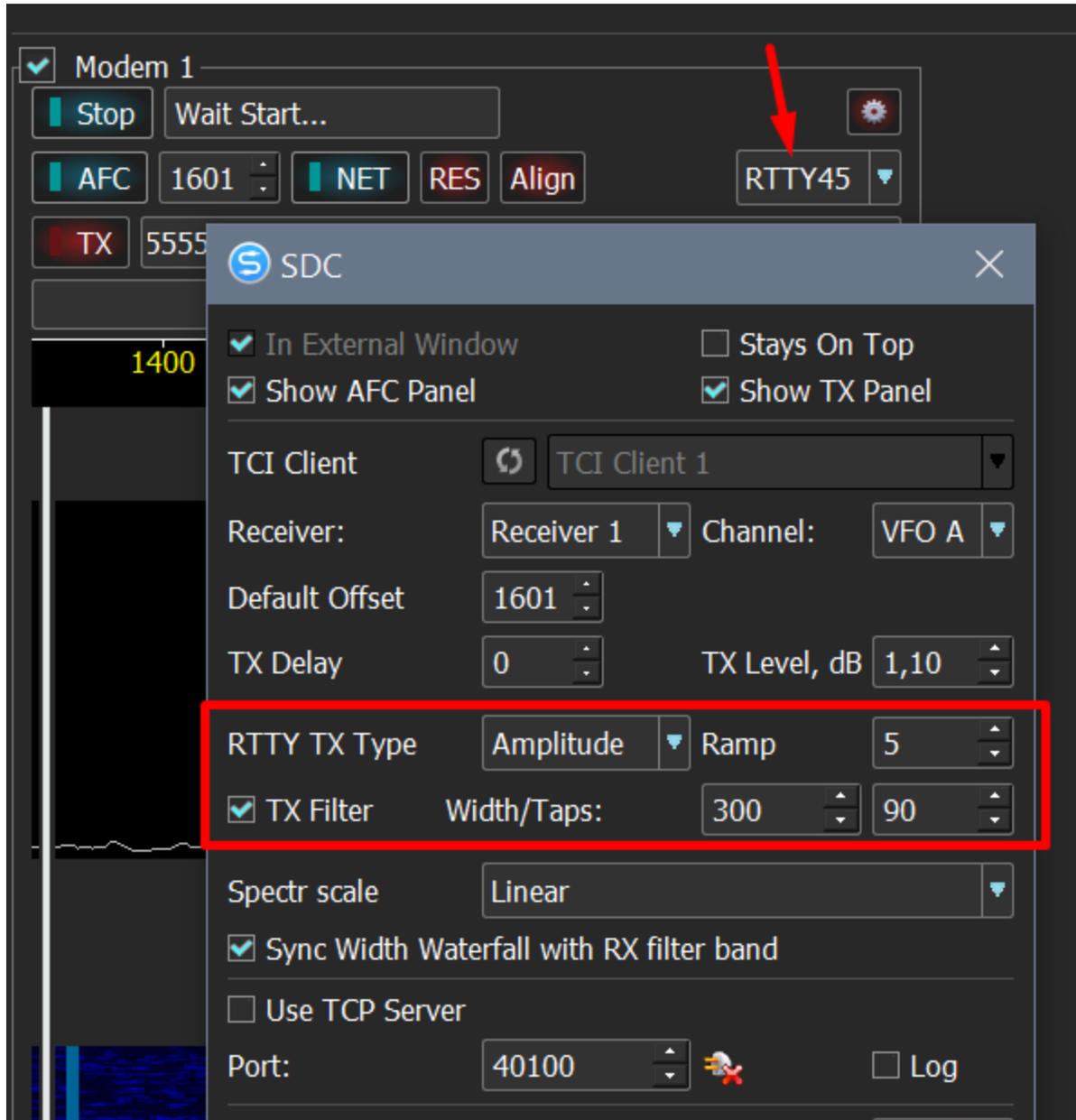
TCP Server

TCP



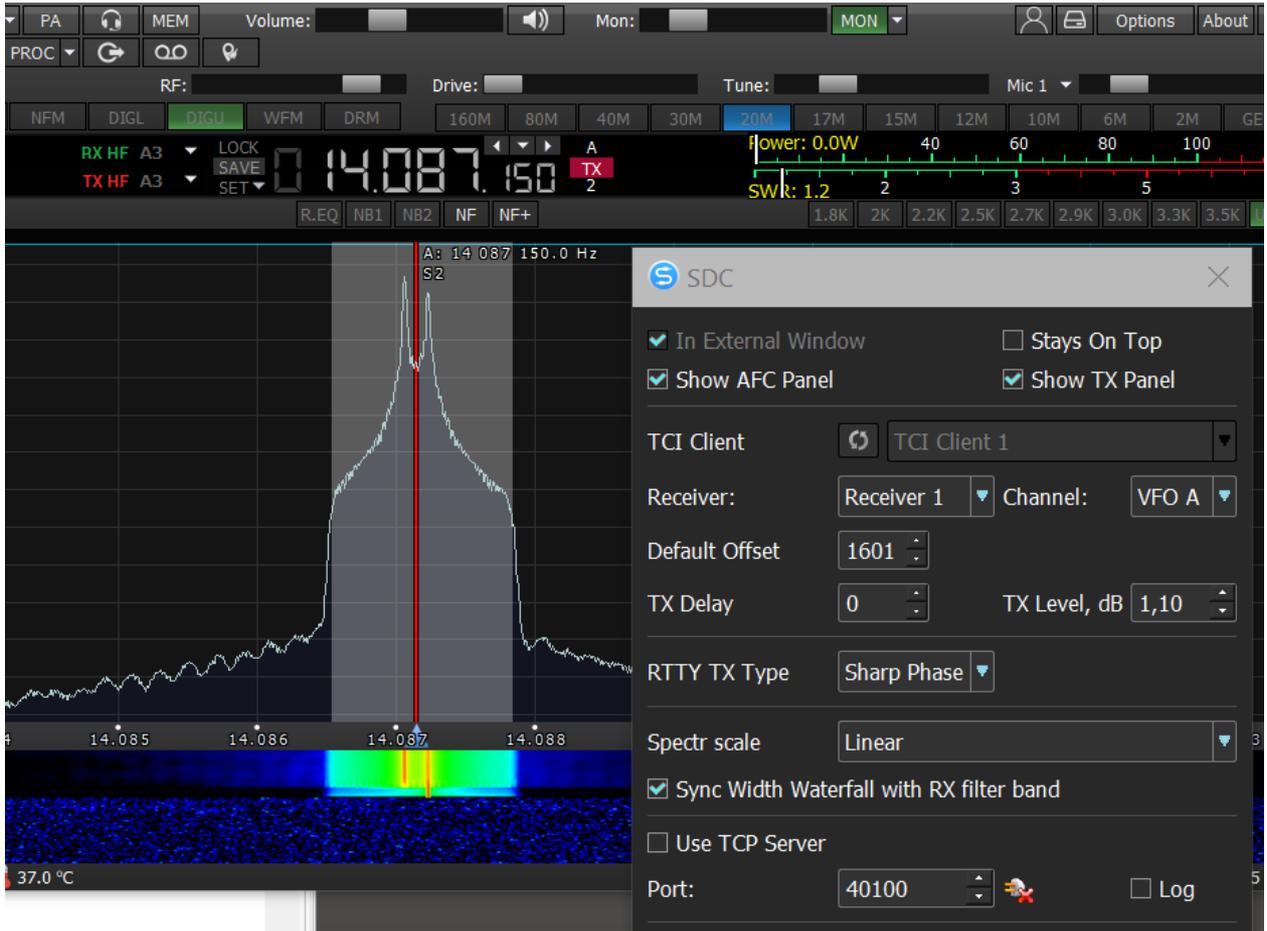
Настройка формирователя сигнала RTTY

RTTY.

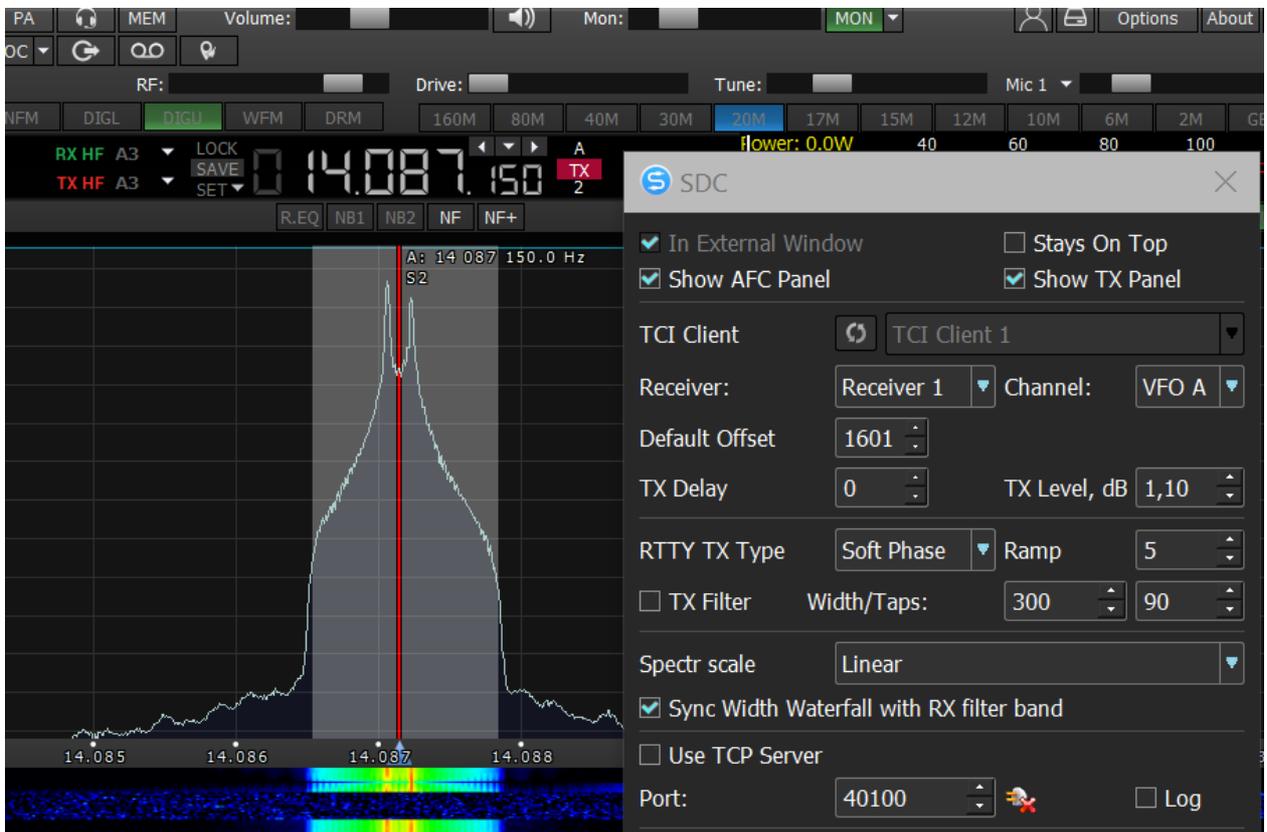


Sharp Phase -

RTTY



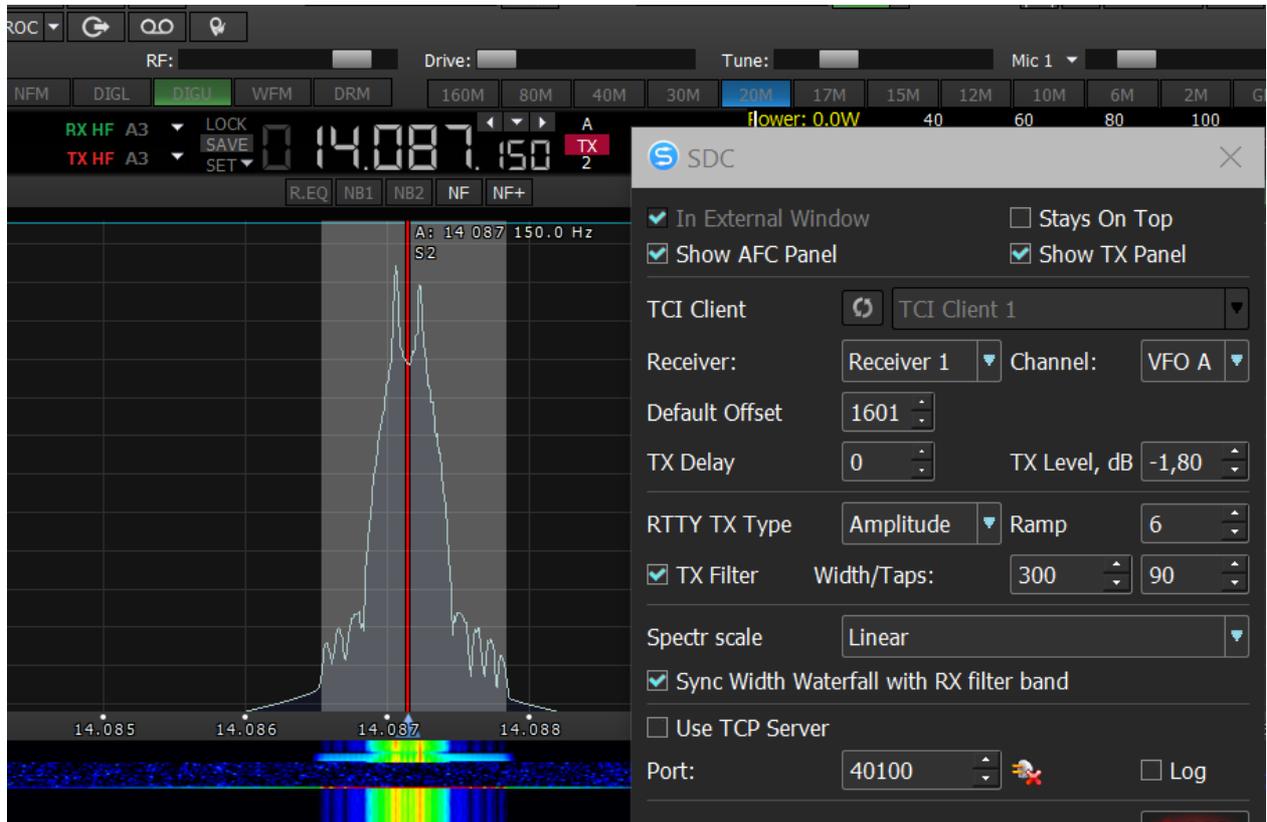
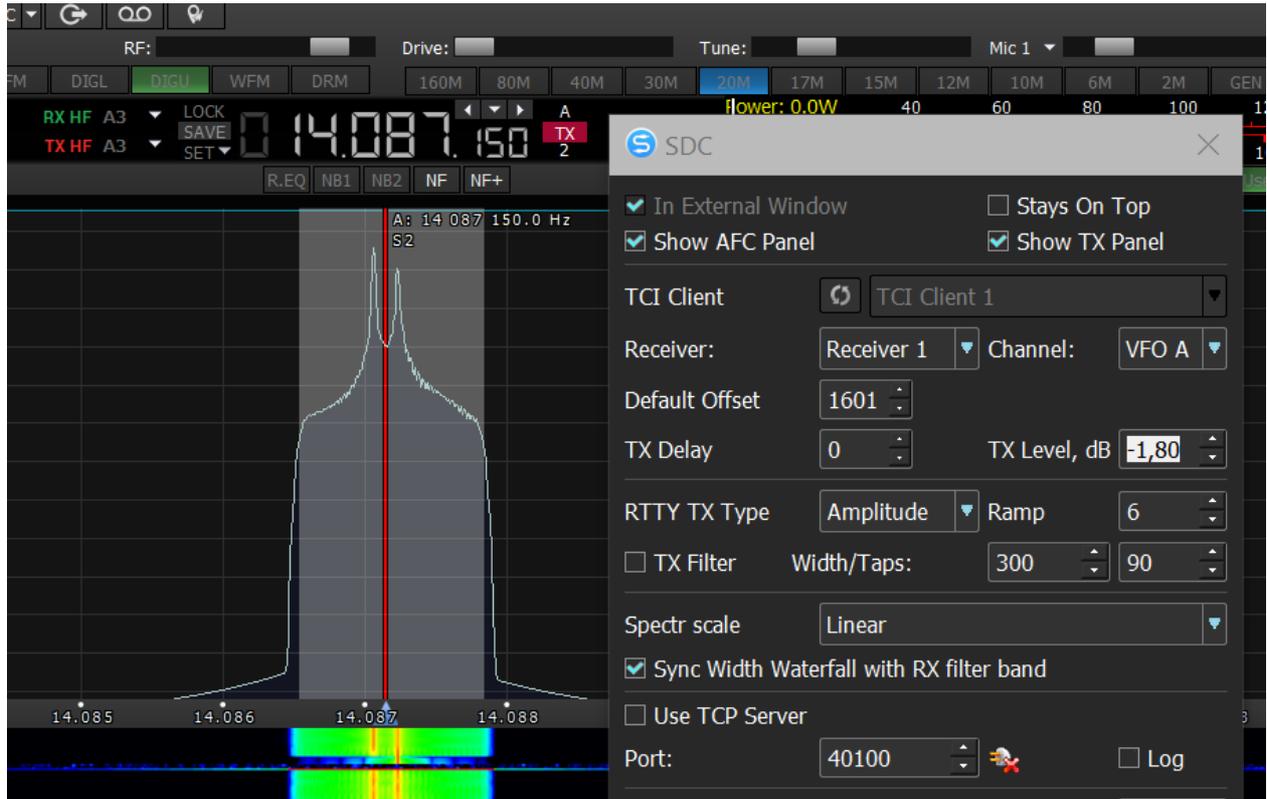
Soft Phase -



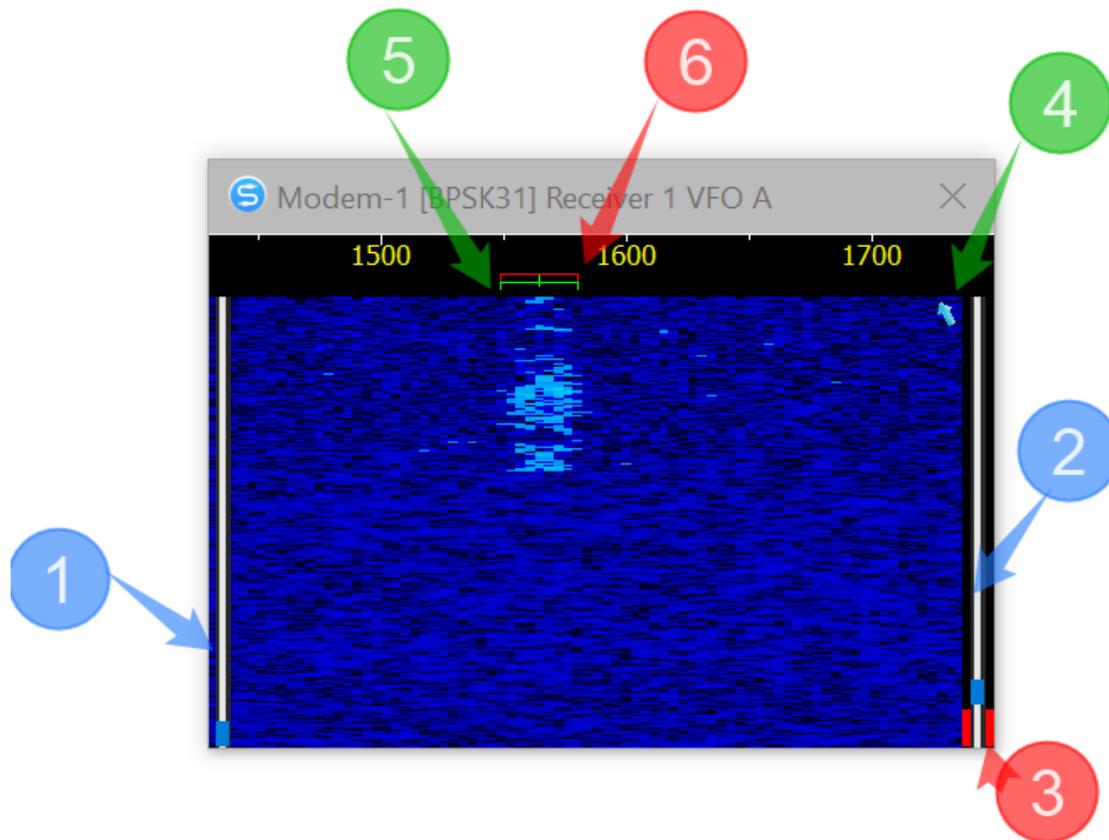
Ramp -

Amplitude -

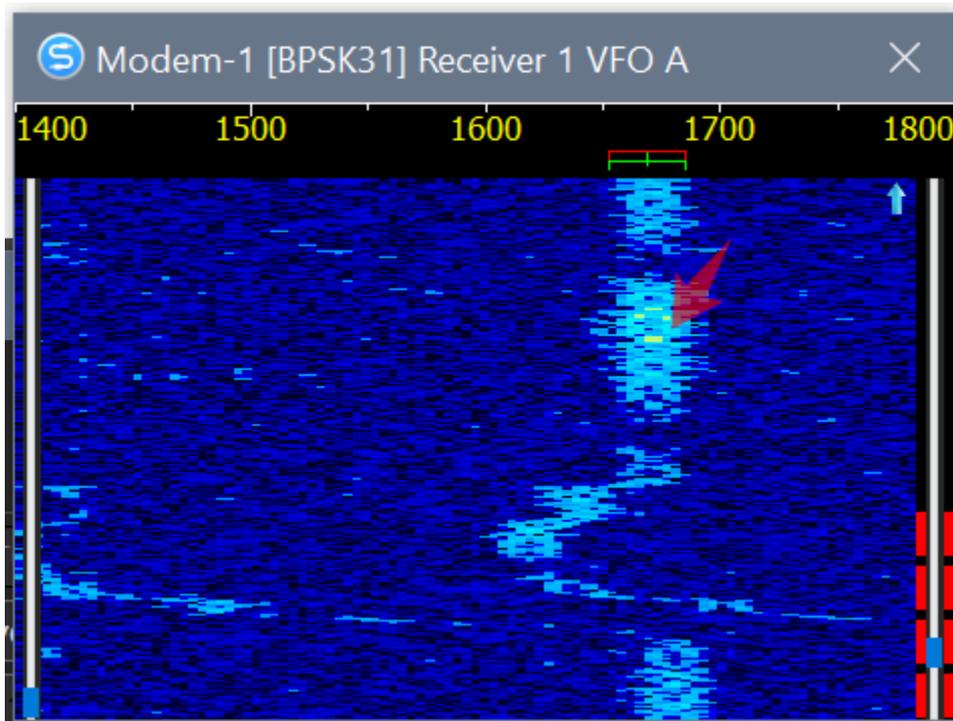
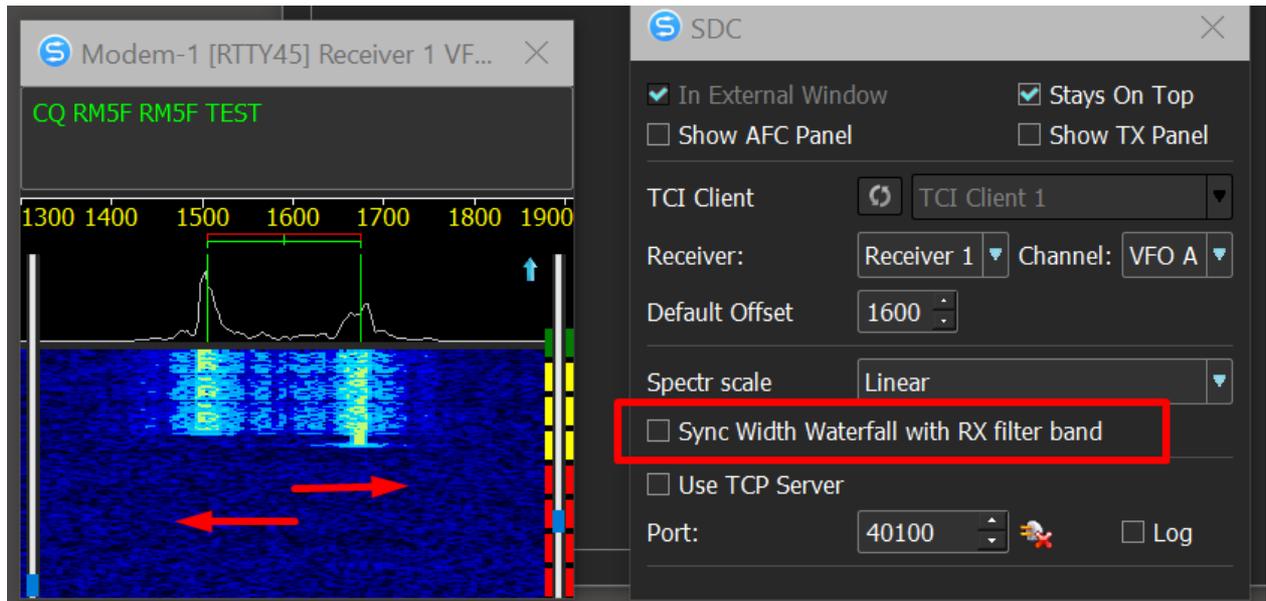
RTTY



Водопад



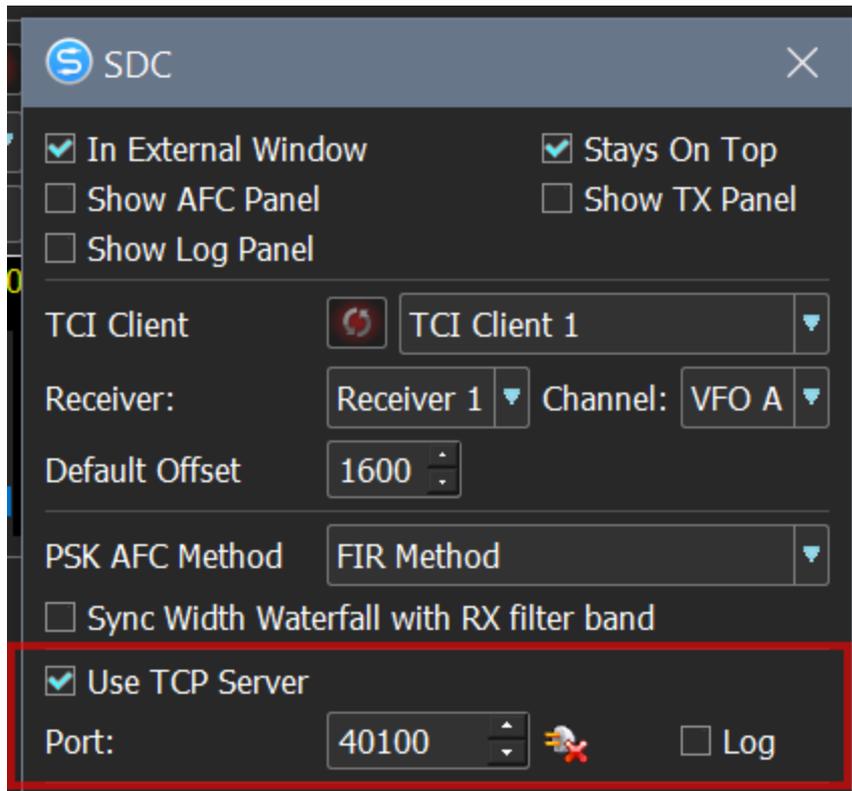
- 1 -
- 2 -
- 3 -
- 4 -
- 5 -
- 6 -



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TCP Server

"Use TCP Server"



TCP

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Протокол управления Модемом через TCP Server

SET_CHANNEL	DIGI	
	/	arg1 – (0 –
	SET_CHANNEL: arg1, arg2, arg3;	arg2 – VFO (0 – VFO A
		arg3 –
	RX_CHAR: 0, 1, Radio 1;	
RX_CHAR		
		arg1 – Char
	RX_CHAR: arg1, arg2, arg3;	arg2 – /
		arg3 – ()
	RX_CHAR: 48,17,1503;	
TX_CHAR		
		arg1 – Character
	TX_CHAR: arg1;	
	TX_CHAR: 48;	
TX_EMPTY		
	TX_EMPTY;	

	TX_EMPTY;	

DIGI_MODE		
	/	Arg1 – : RTTY45;
	DIGI_MODE: arg1;	RTTY75; BPSK31; BPSK63; BPSK125;
	DIGI_MODE: RTTY45; RTTY75; BPSK31; BPSK63; BPSK125;	

TX_STATUS		
	/	Arg1 – 0 , 1
	TX_STATUS: arg1;	
	TX_STATUS: 1;	

DX_TX		
	: / .	Arg1 – 1 , 0 -
	DX_TX: arg1;	
	DX_TX: 1; DX_TX: 0;	

DIGI_MSG		
		Arg1 –
	DIGI_MSG: arg1;	TX
		-
	DIGI_MSG: «CQ TEST»;	

TX_STOP		
	TX_STOP;	
	TX_STOP;	

AFC	AFC	
	,	Arg1 – 0 , 1 .
	AFC: arg1;	
	AFC: 1;	

NET		TX=RX
------------	--	-------

		Arg1 – 0 , 1 .
	NET: arg1;	
	NET: 1;	

OFFSET		Arg1 – .
	OFFSET: arg1;	
	OFFSET: 1600;	

RX_SN		Arg1 – .
	RX_SN: arg1;	
	RX_SN: 15;	

TERMINAL		Arg1 – 0 – , 1-
	TERMINAL: arg1;	
	TERMINAL: 1;	

SET_TXDELAY		Arg1 – , .
	SET_TXDELAY: arg1;	
	SET_TXDELAY: 100;	

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Пример работы DIGI Server с 5MContest

5MContest SDC DIGI Server ____.

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Macros Server

"Macro"

TCI

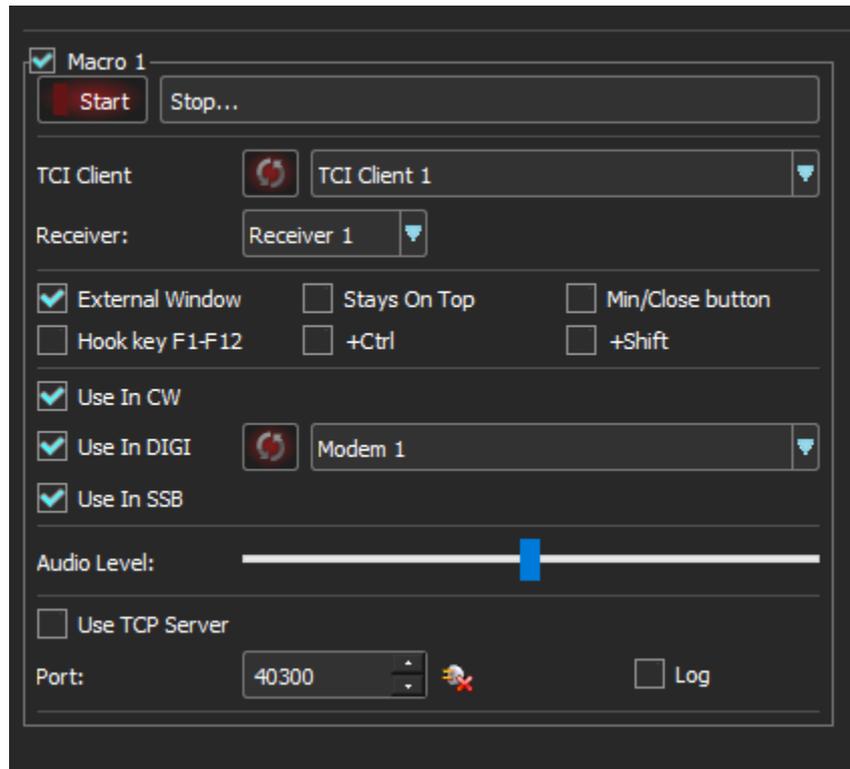
TCP
TCI

WAV -



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Настройки панели



TCI Client - TCI "TCI".
Receiver -
External Window -
Stays on Top -
Min/Close button -
Hook key F1-F12 - F1-F12, ESC
 Windows!
+Ctrl - Ctrl.
+Shift - Shift.

Use in CW - CW.
Use in DIGI - DIGI.
 (DIGI)
Use in SSB - SSB.

Audio Level - WAV

Use TCP Server - TCP

Внешняя панель

"External Window".



CW - CW.
 WPM - 34 WPM
 Esc - ESC
 Hook - Hook
 Slim - Slim.
 F1-F12 - F1-CQ, F2-CALL, F3-, F4-, F5-, F6-, F7-, F8-, F9-, F10-, F11-, F12-
 Send - Send
 Clear - Clear

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Режим Slim

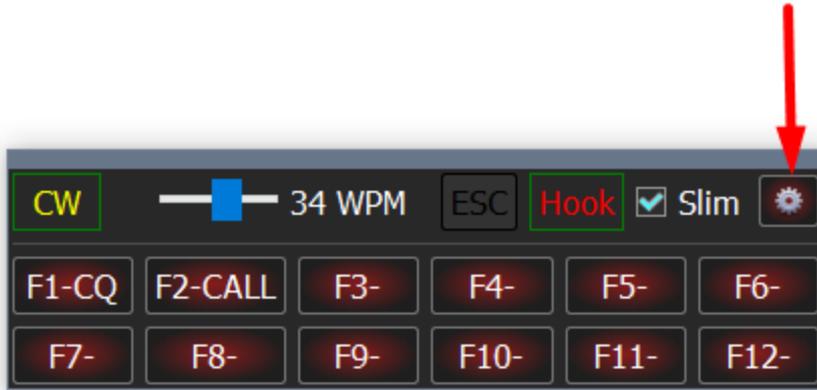


"Slim"

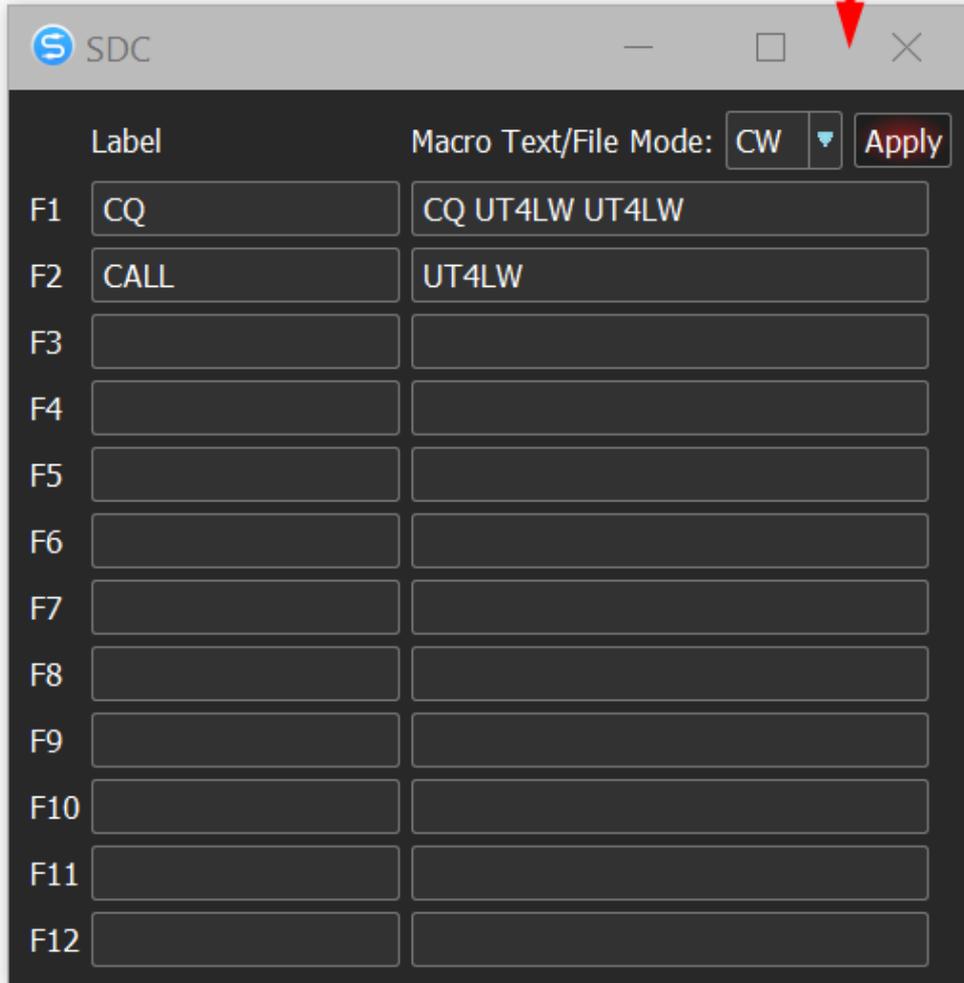
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Настройка макросов

:

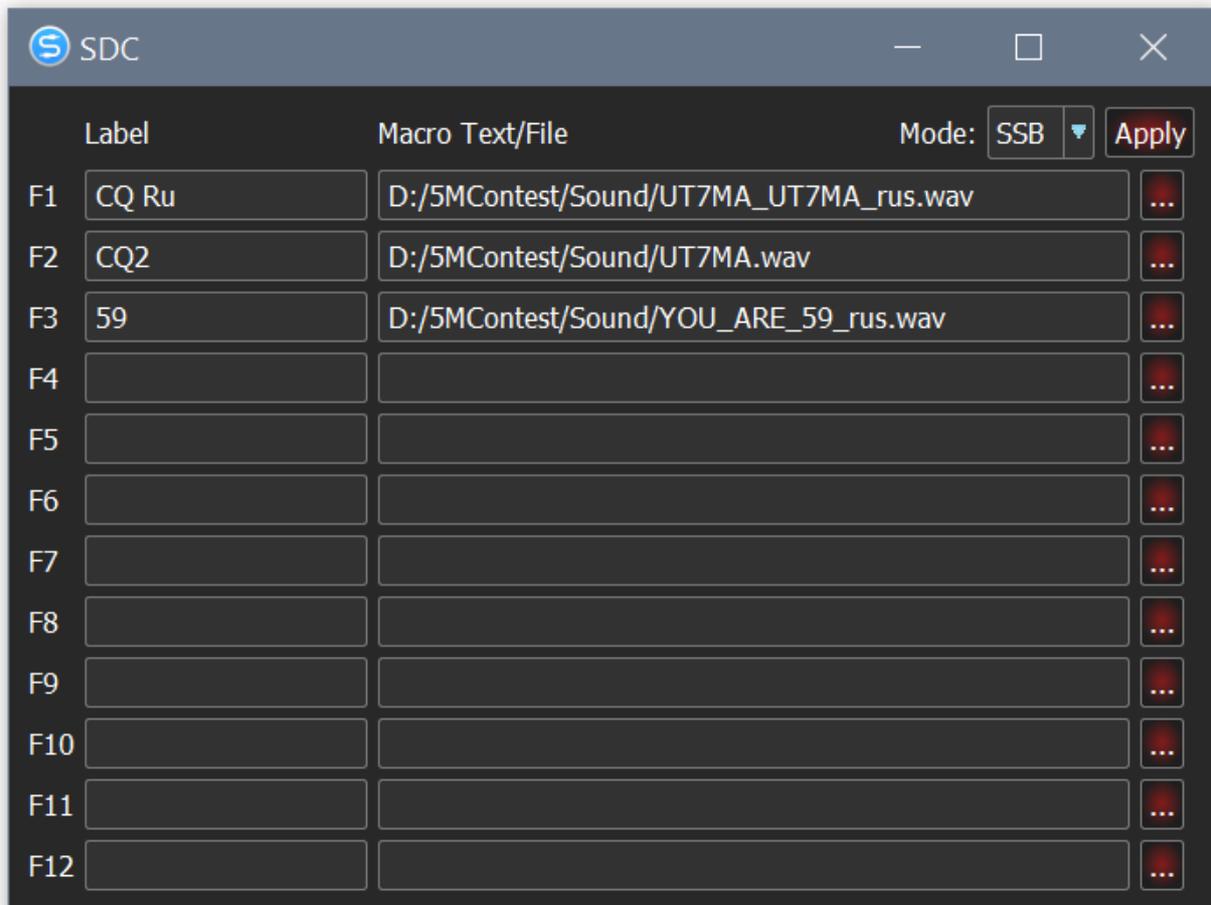


:



"Apply"

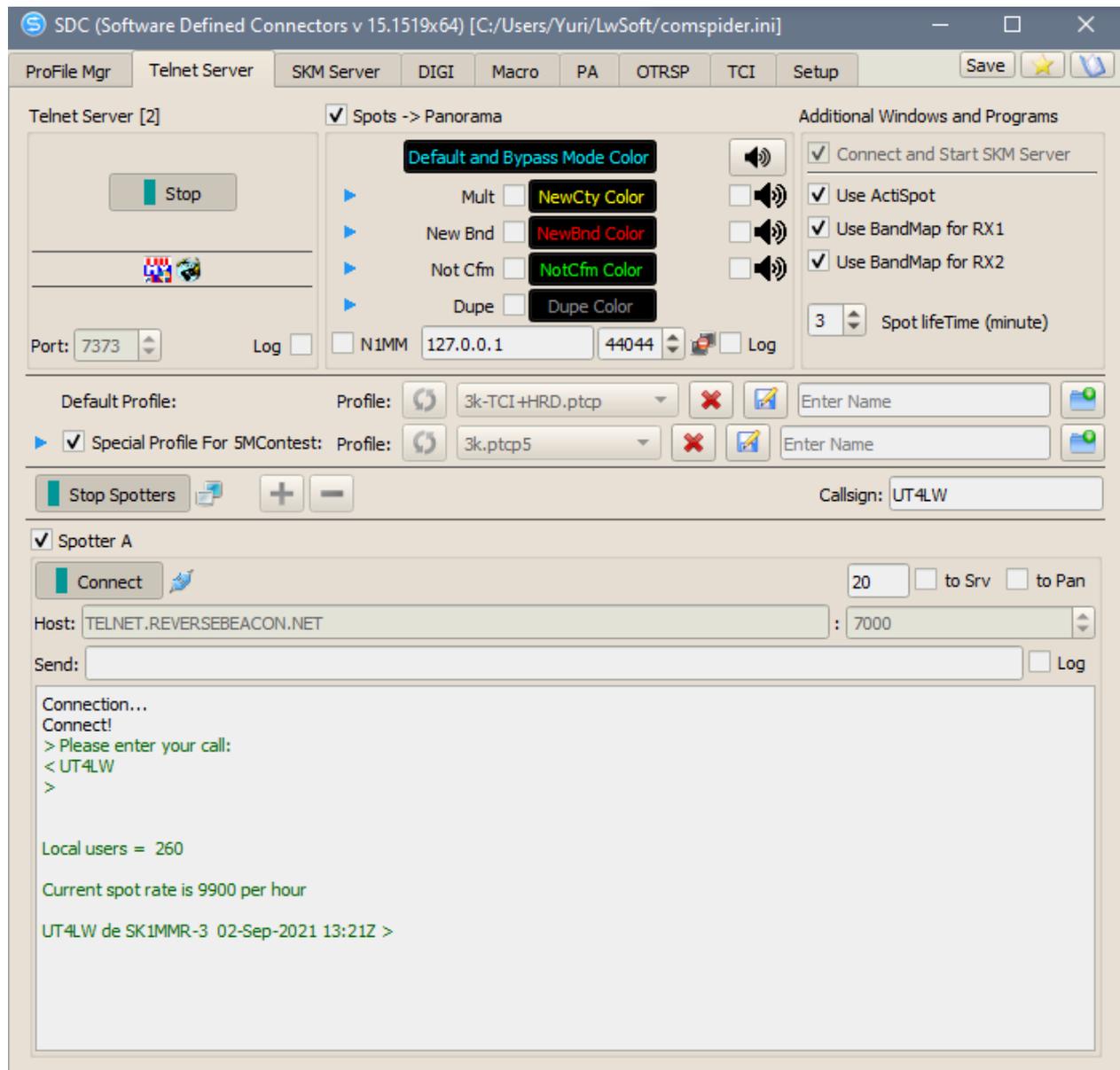
SSB:



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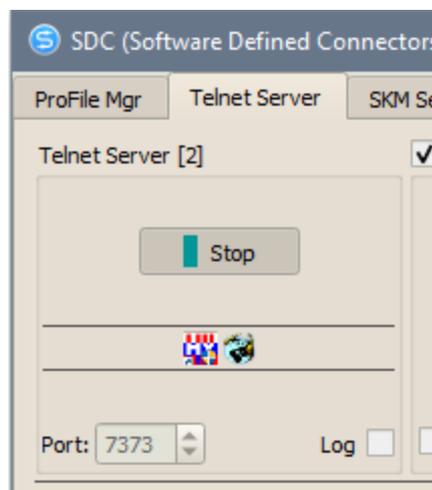
Телнет сервер

RBN.



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Telnet Server

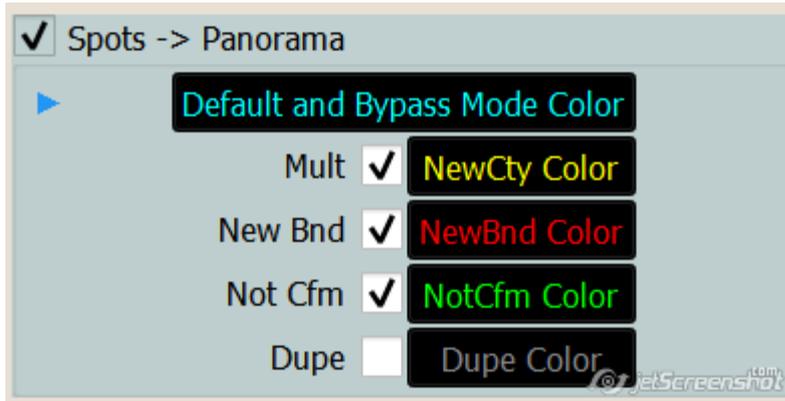


[Start] – Start
Port: -
Log –

Spots -> Panorama

ExpertSDR2

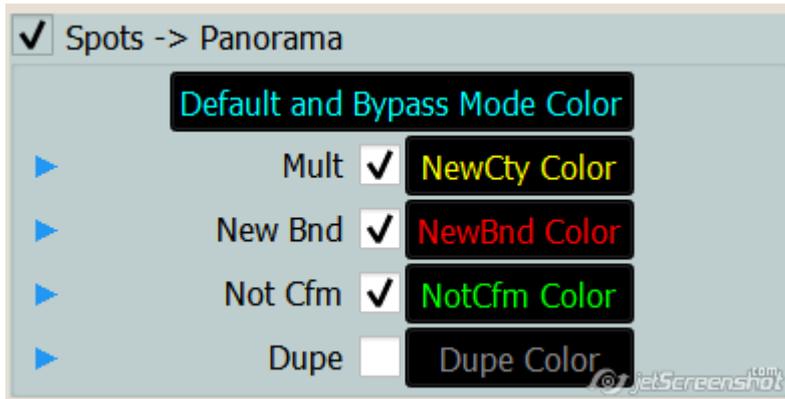
5MContest,



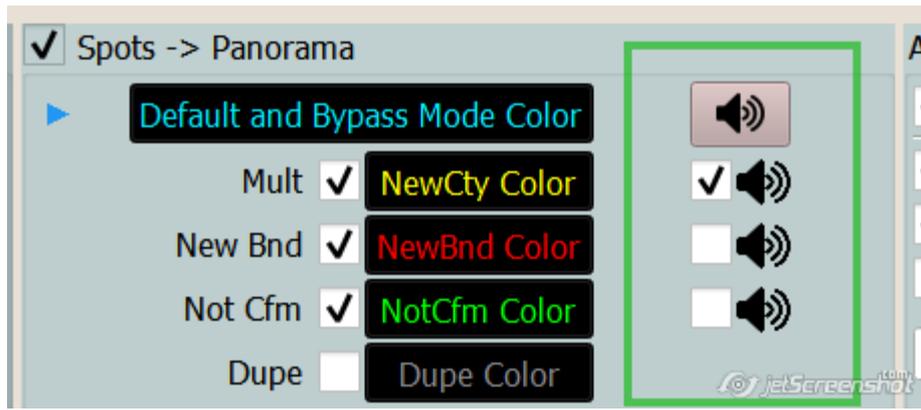
New, Mult, Dupe –
(Dupe)

SDC-Telnet Server

(Mult, New,..Dupe),
"Default and Bypass Mode Color".
(5MContest, LogHX)



"Mult":



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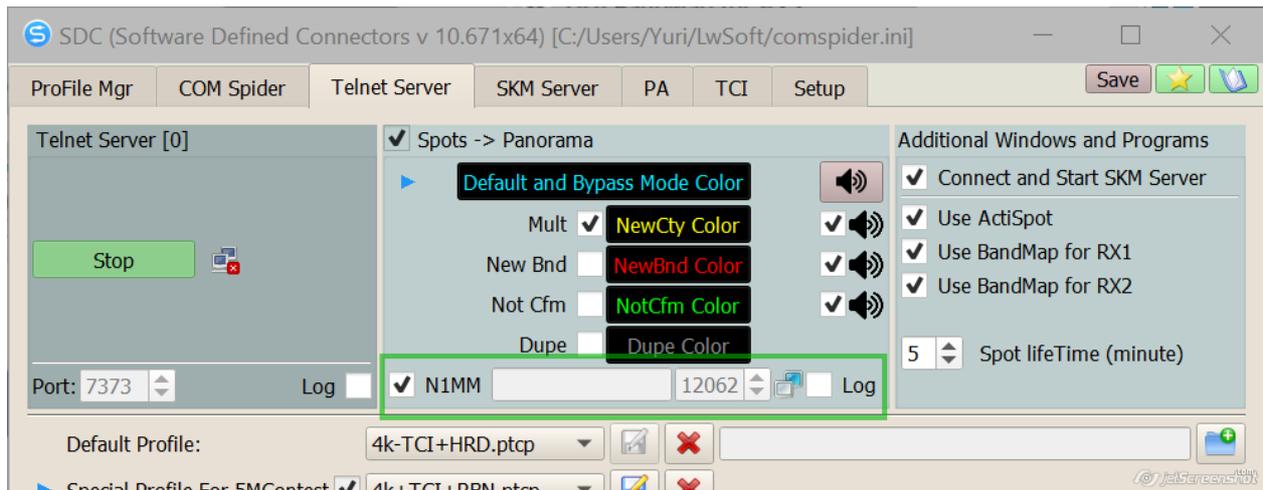
N1MM

SDC

N1MM.

N1MM

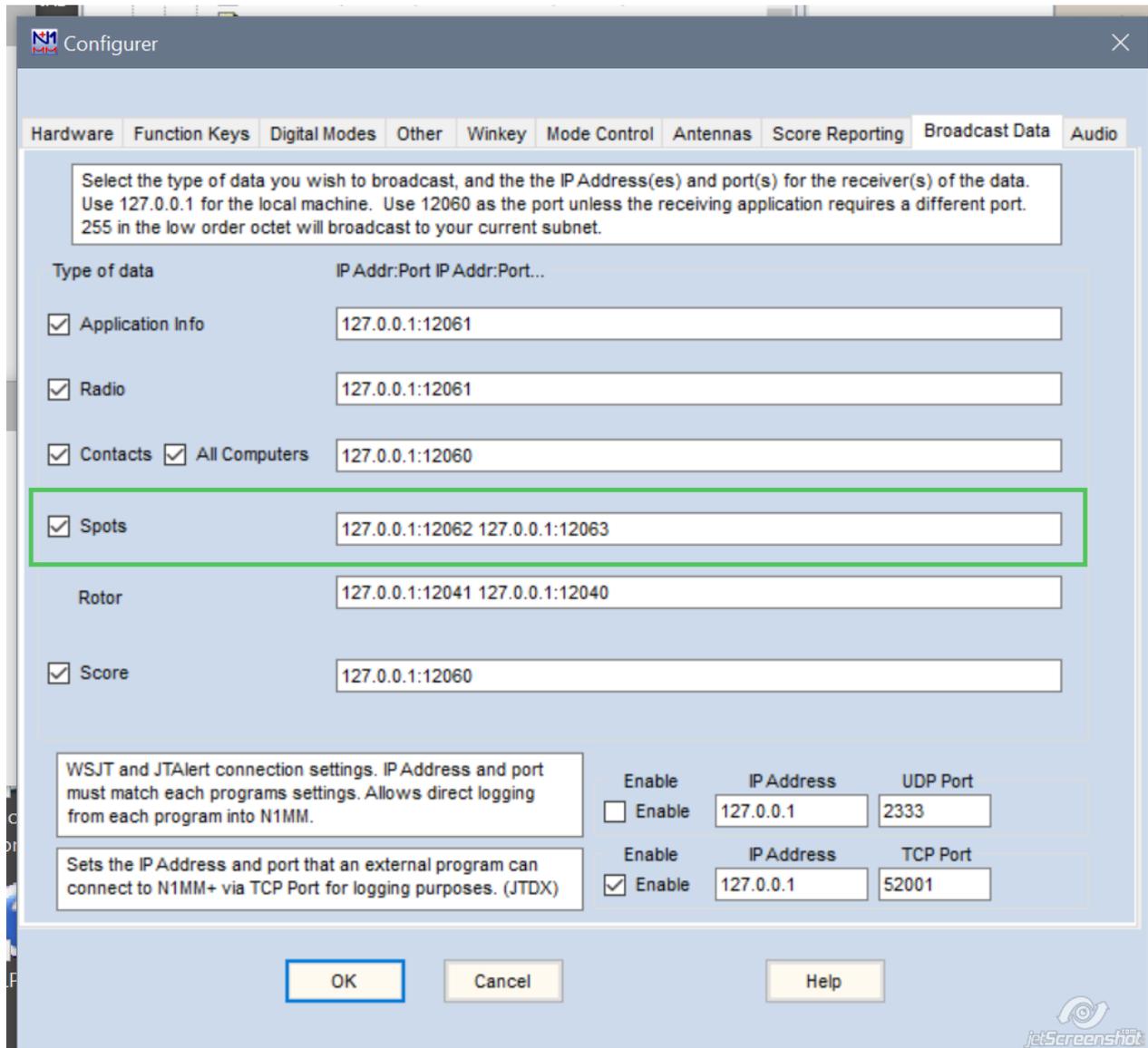
N1MM:



Attention!!!

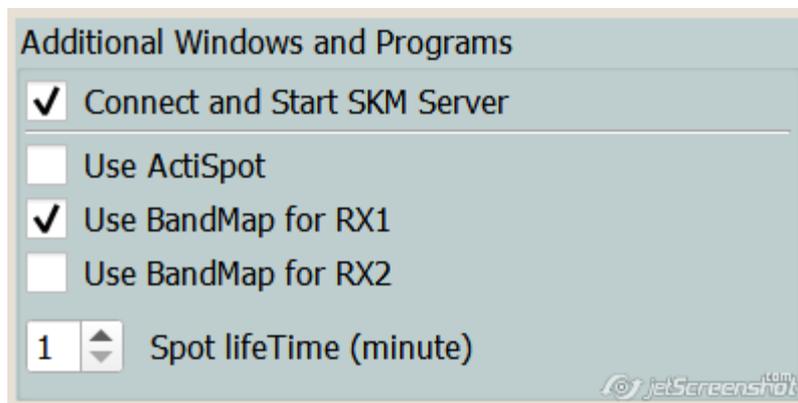
With version 10.68, the checkbox "N1MM" can not be removed. If the SDC does not receive parcels from the N1MM within 30 seconds, it will automatically switch to the color bypass mode. When the parcels from the N1MM appear, the program automatically switches to the color processing mode.null

N1MM:



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Add Windows



Connect and Start SKM Server -
Telnet Server

SKM Server.

ActiSpot -
RBN).

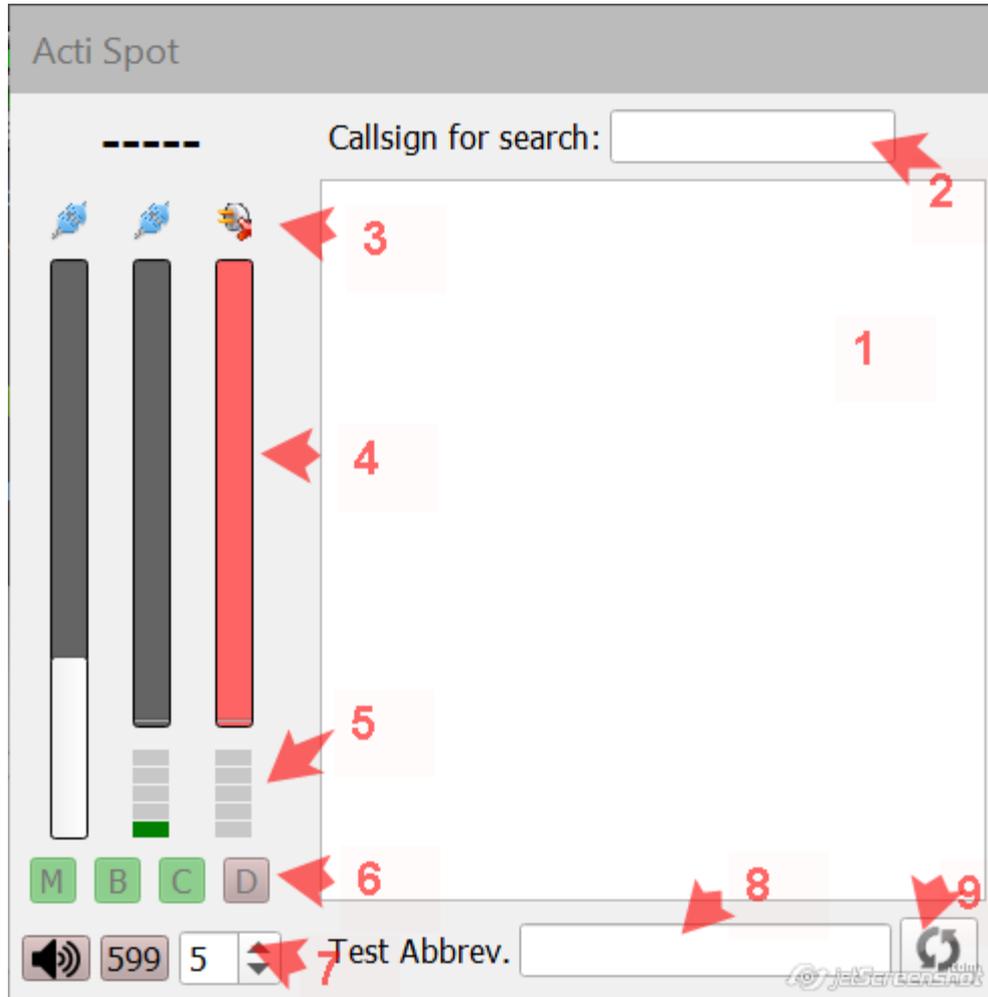
Use BandMap for RX1 -
Use BandMap for RX2 -

1- .
2- .

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Acti Spot

Acti Spot



1- , . :

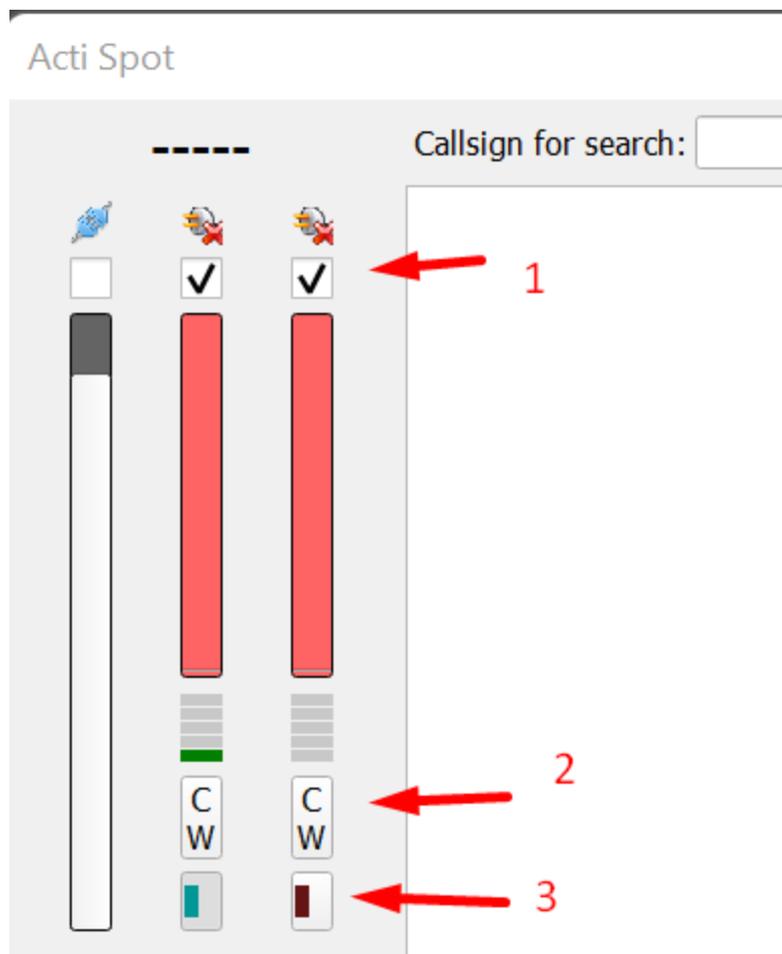
SPOT!	
SM6FMB-#:	7009.1 13 dB
GW8IZR-#:	7009.0 8 dB
EA5WU-#:	7009.0 11 dB

2 - Callsign for search.

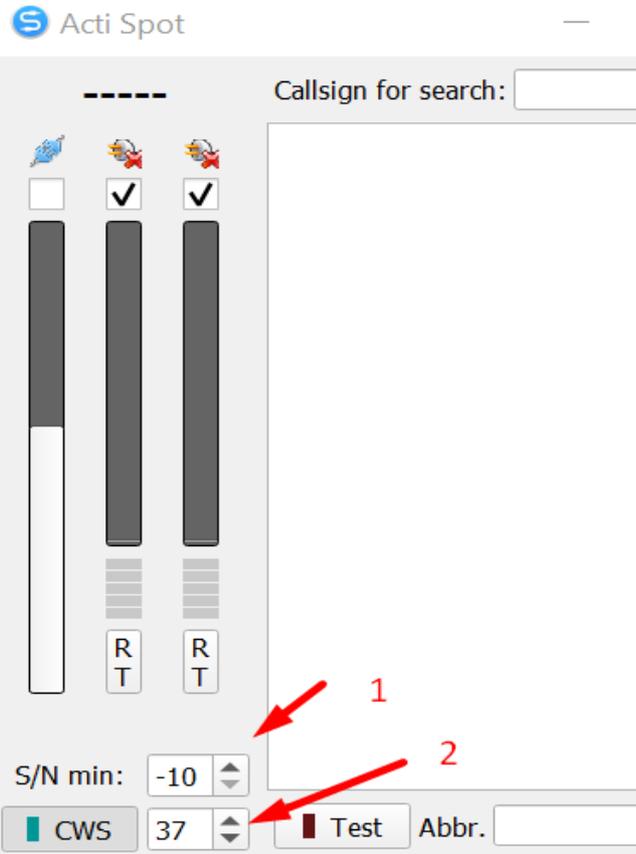
3 - : RBN Telten Server.

4 - ,

5 - ,
6 - "Spots -> Panorama",
7 - "599" - Pile-Up, 5 - Pile-Up kHz.
8 - "Only" SKM-Server. "With Abbreviation Test"
9 -



1. / ()
- 2.
3. "599".

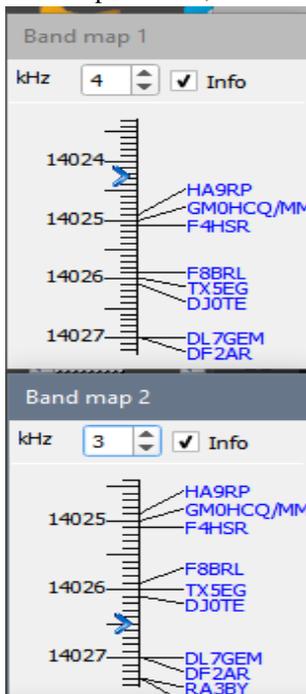


1. / dB. = -10. CW
2. , TCI.

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Band Map

BandMap for RX1, RX2 –



SO2R Band Map 2

SO2V, Band Map2

VFOB.

Band Map,

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Установки менеджера споттеров



Default Profile: -



Special profile For 5MContest –
5MContest.

[Start Spotters] –

«Telnet Server».

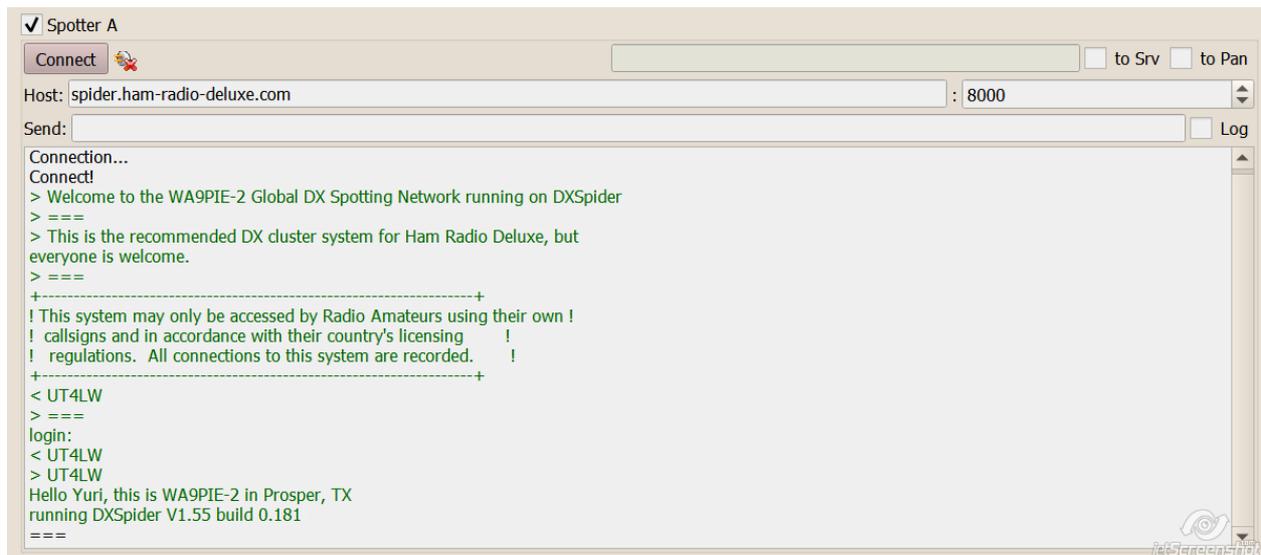
[+] –

[-] –

Callsign –

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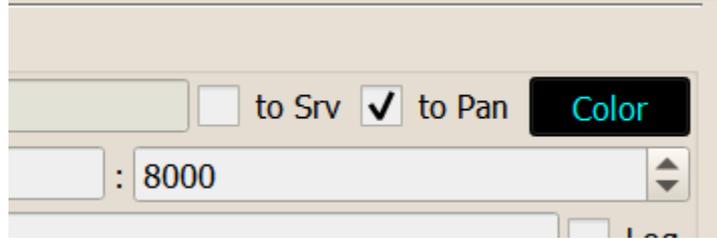
Установки споттера



to Srv -
to Pan -

Telnet Server

TCI.



Log -

Создание сетевых аудио каналов

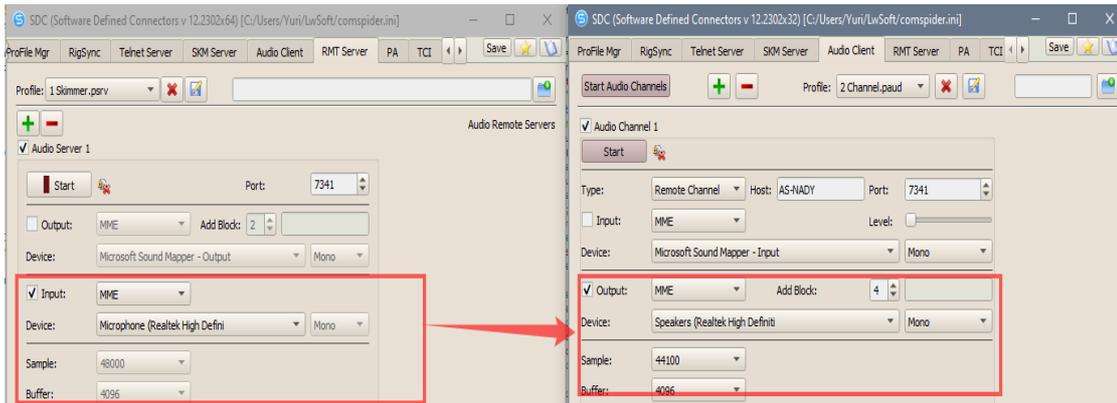
SDC

"RMT Server"
"Audio Channel 1":

"Audio Server 1",

SDC.

"Audio Client"

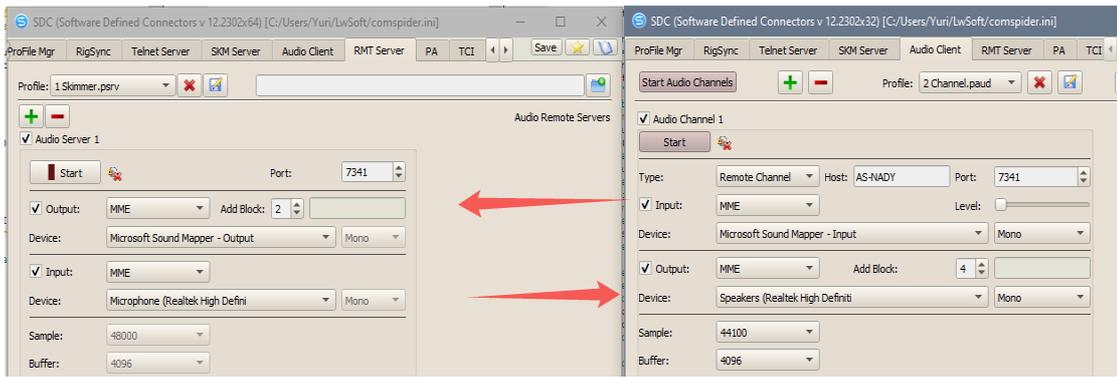


Add Block -

add Block = 2.

MME: Buffer = 4096,

SDC



Size, Buffer)

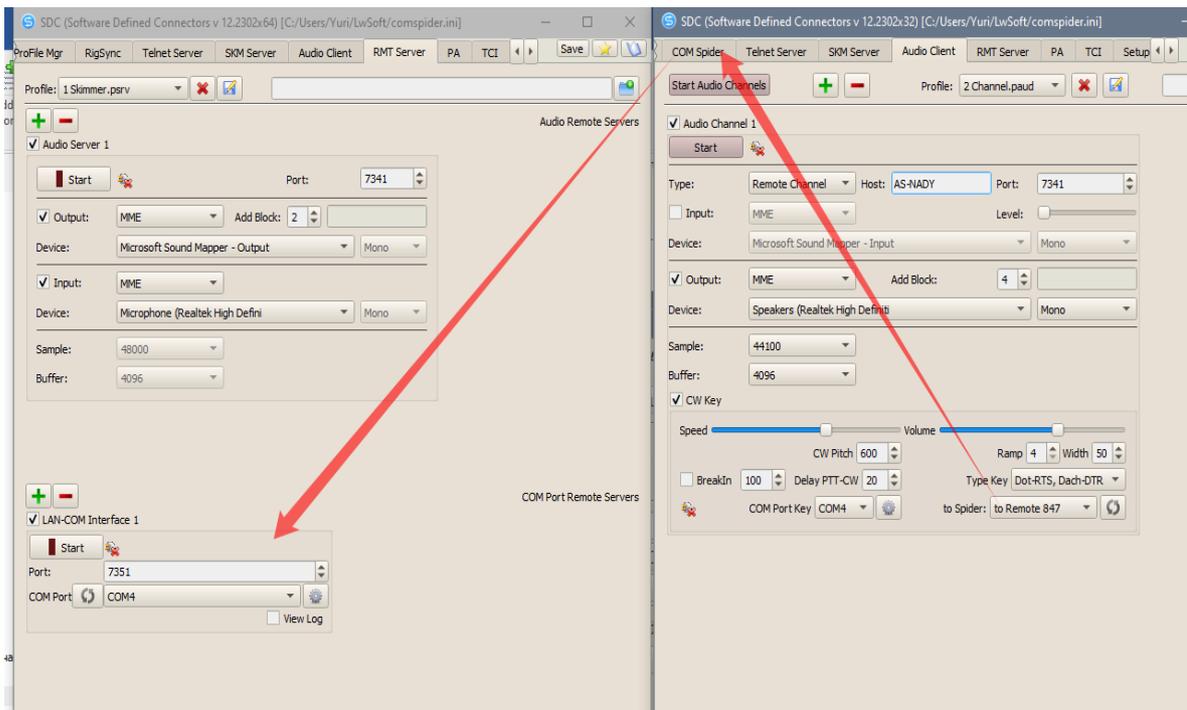
(Mono/Stereo, Sample< SDC):

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Подключение телеграфного ключа

SDC

«CW Key»

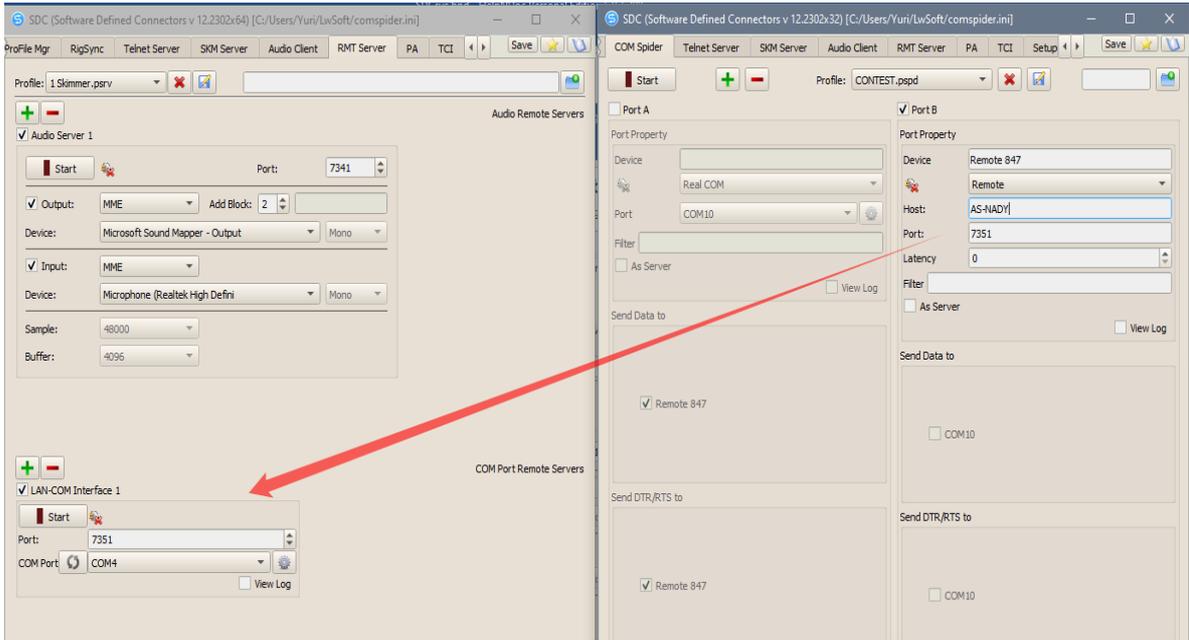


847",

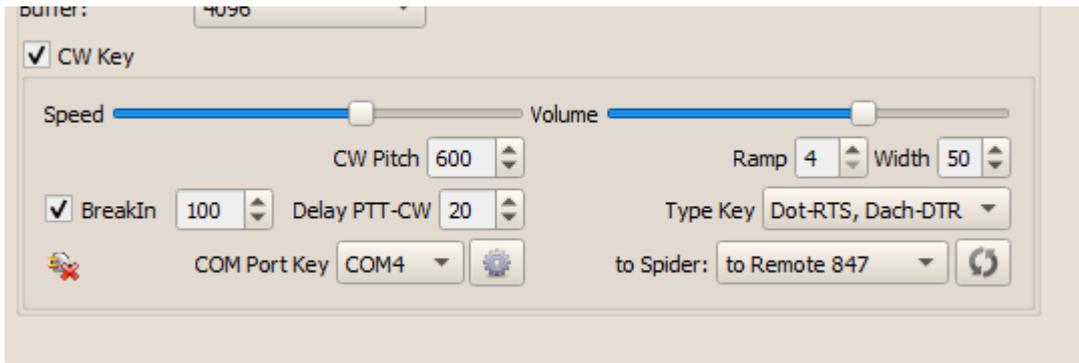
COM4.
LAN-COM Interface 1

COM Spider

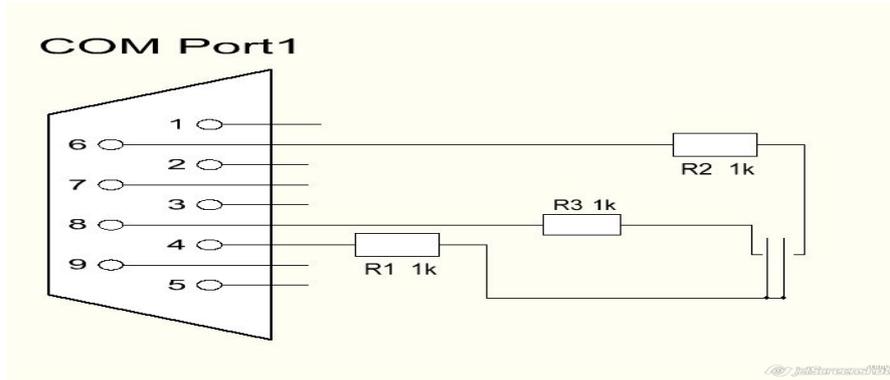
"to Remote



:



- Speed** –
- Volume** –
- BreakIn** –
- Delay PTT-CW** –
- CW Pitch** –
- Ramp** –
- Width** –
- Type Key** –
- COM Port Key** –

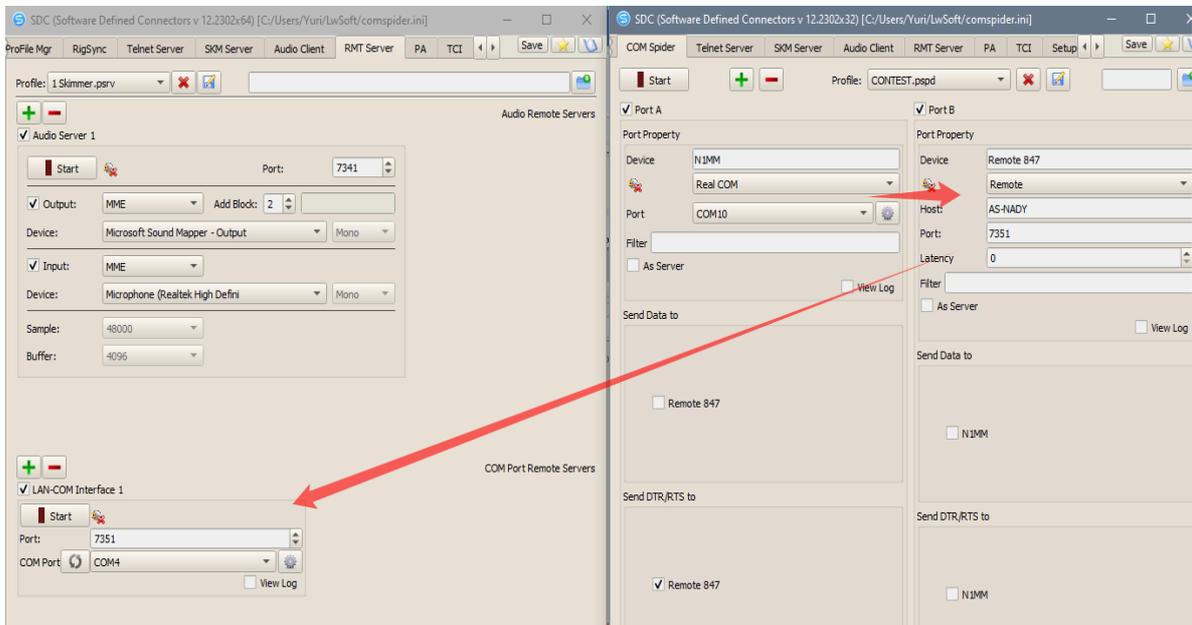


To Spider – COM Spider, CW+PTT

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Создание удаленного канала с самоконтролем CW для ключа и лога

CW+PTT



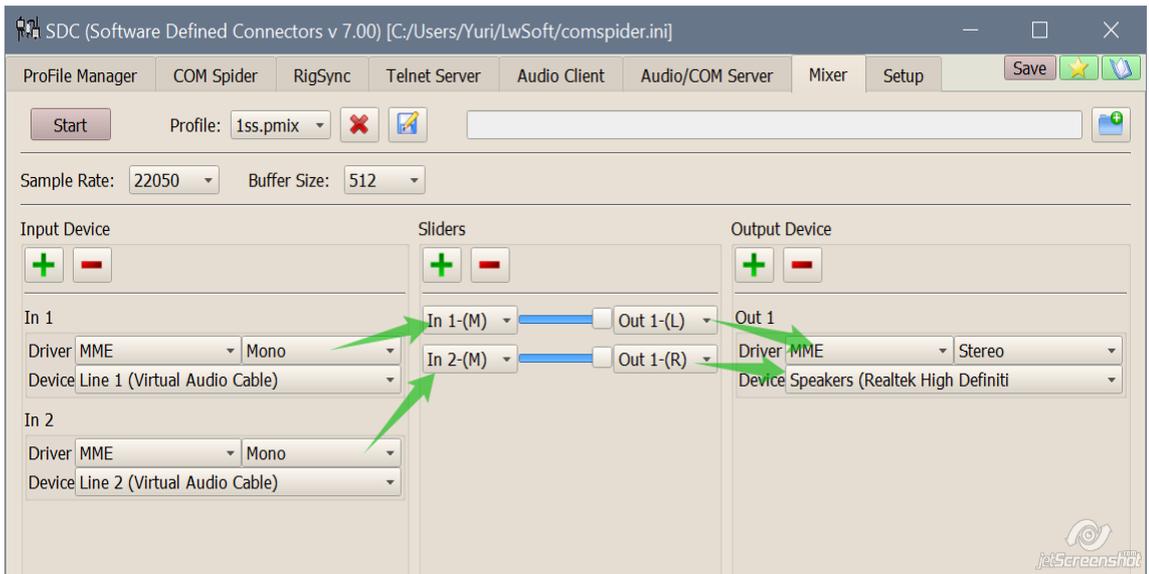
Client"->Output.

"Audio

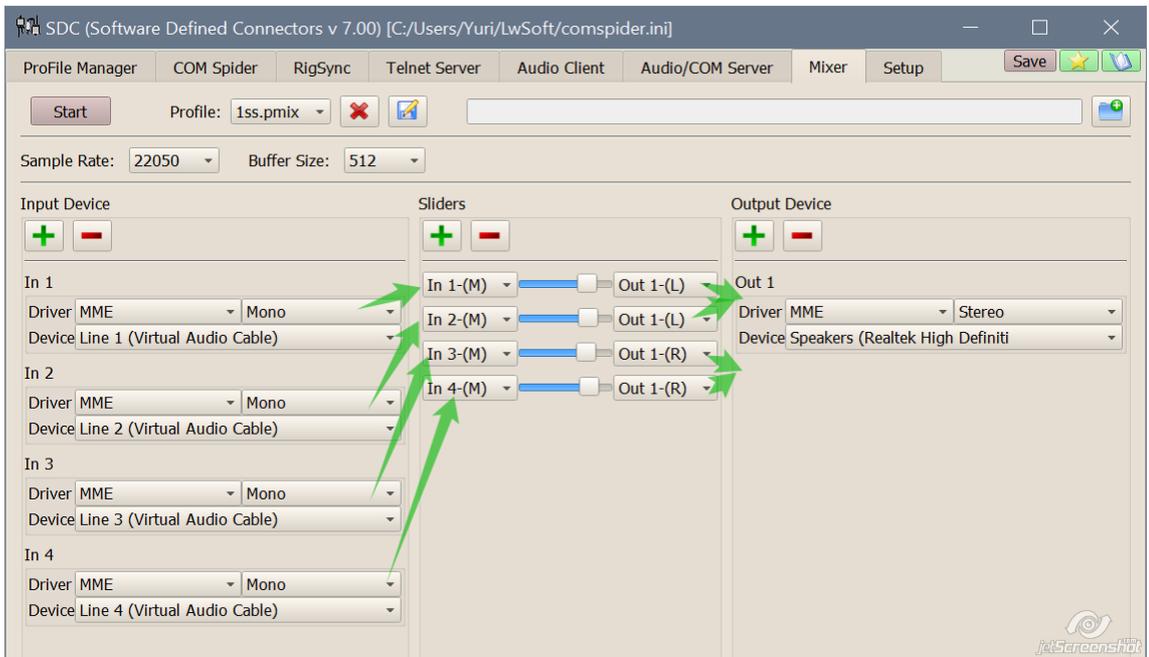
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Audio Mixer

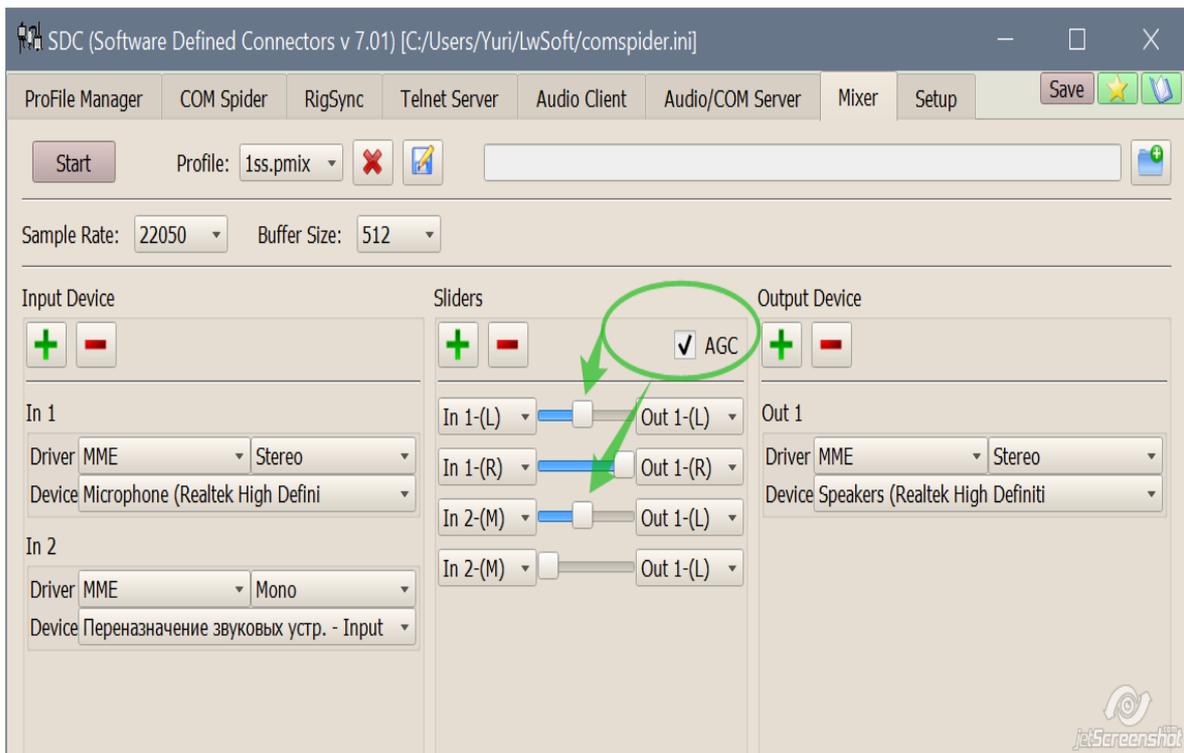
SO2R,
 , RX1 – , RX2 –
 «Input Device»
 «Output Device» , «Sliders»



()



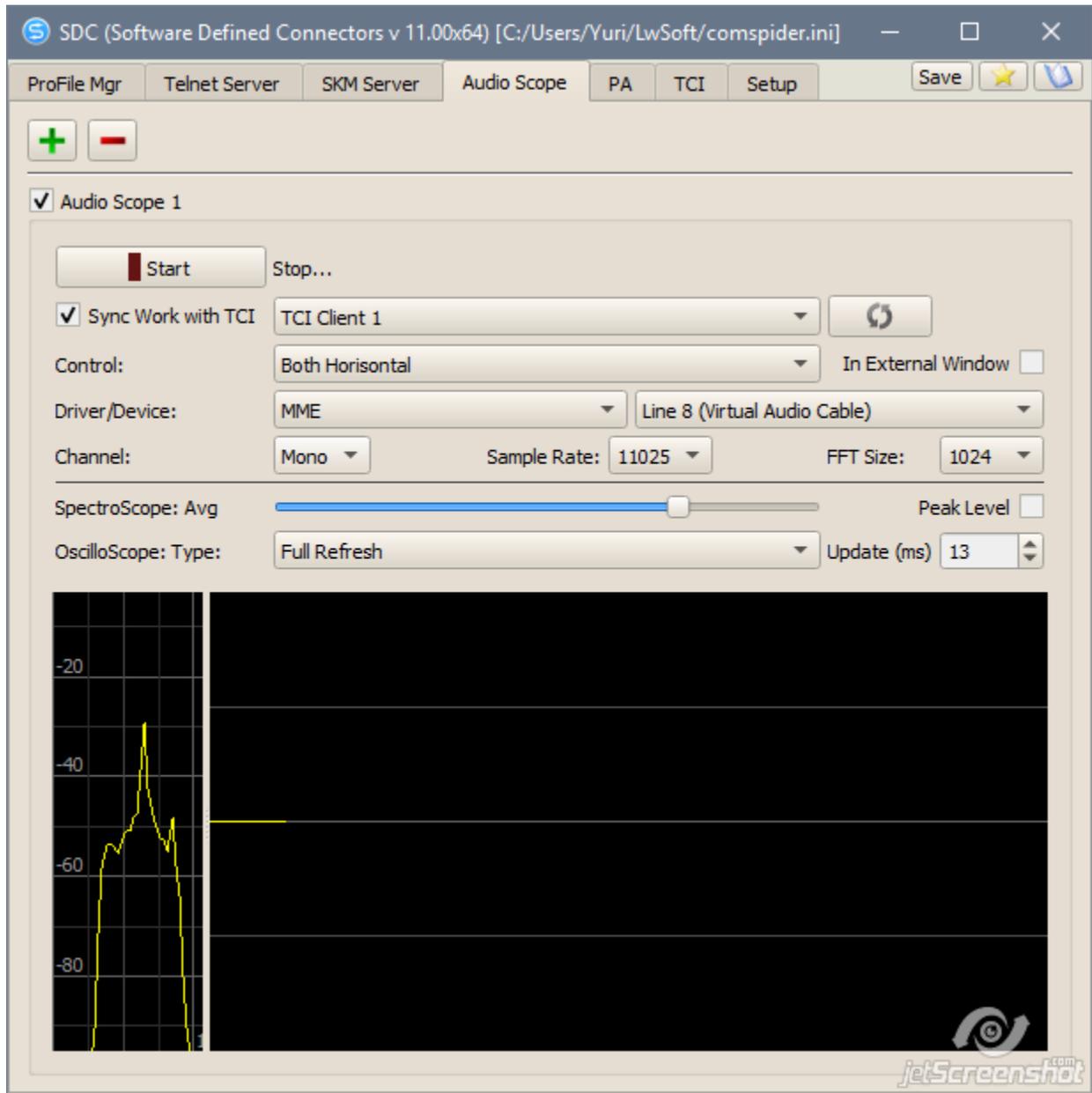
"AGC".



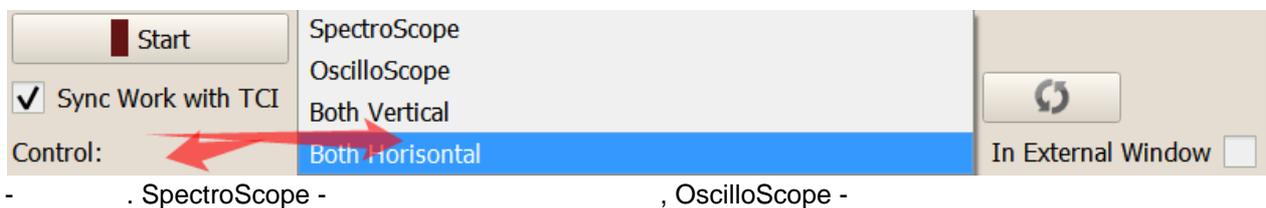
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Audio Scope

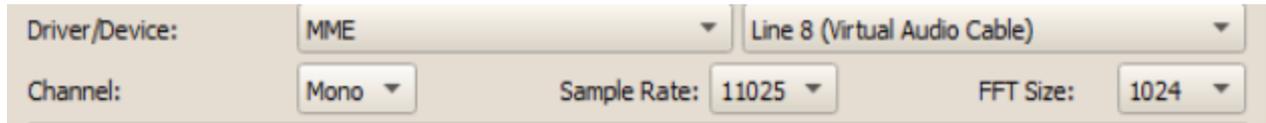
Audio Scope



Audio Scope.

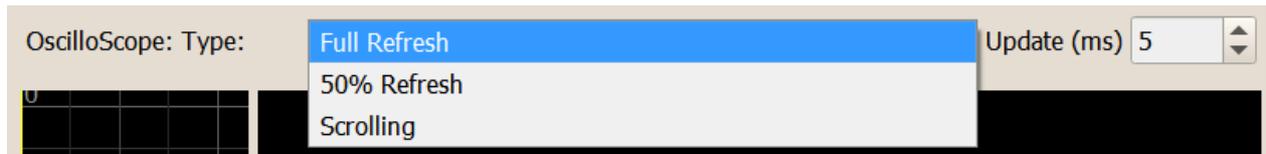
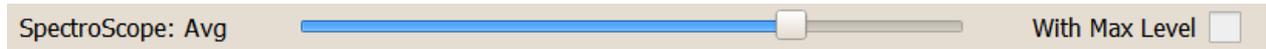


, Both Vertical, Horizontal -
In External Window -

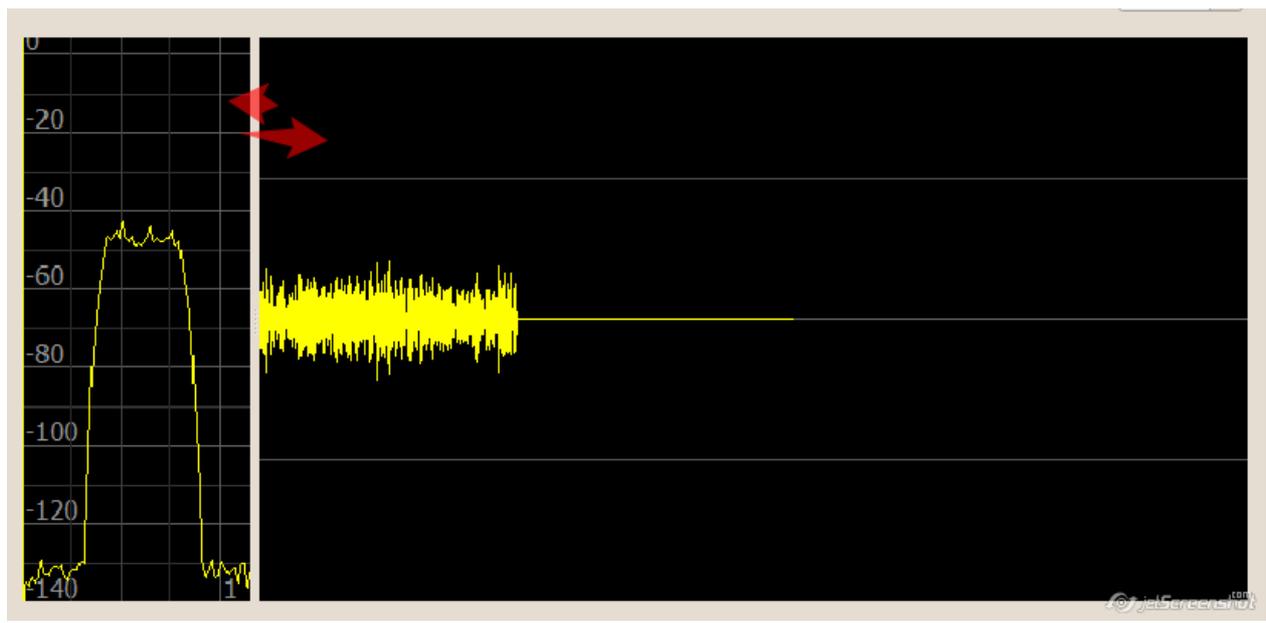


Channel, Sample Rate

FFT Size.



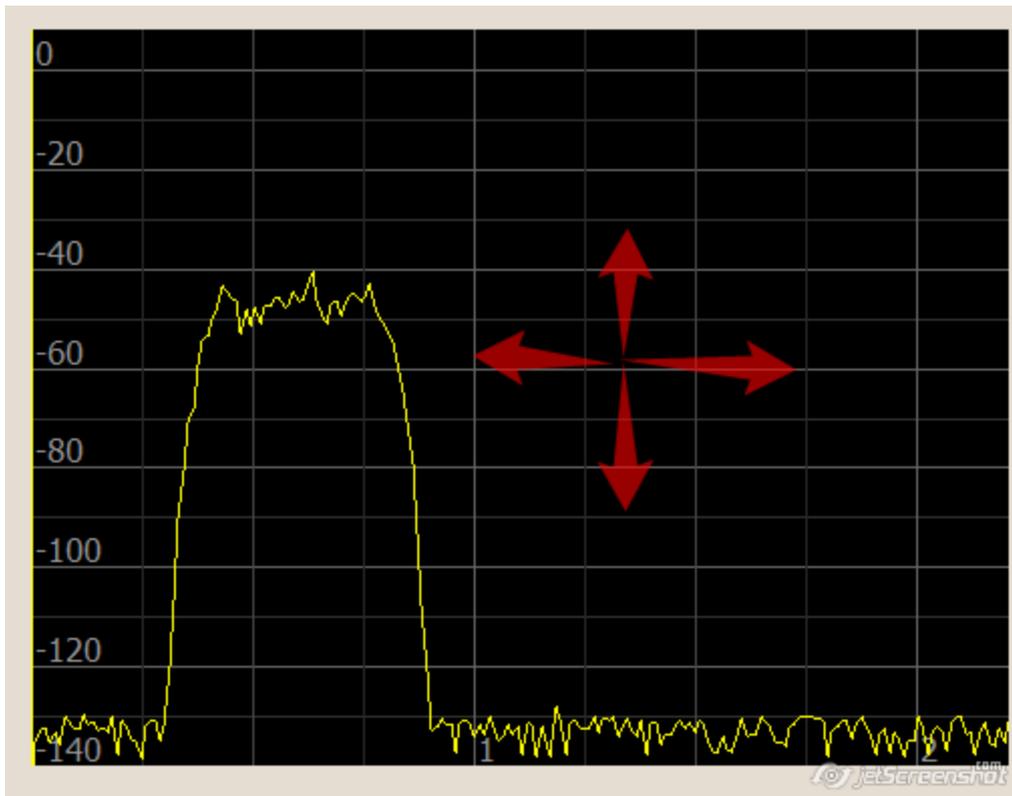
OscilloScope.



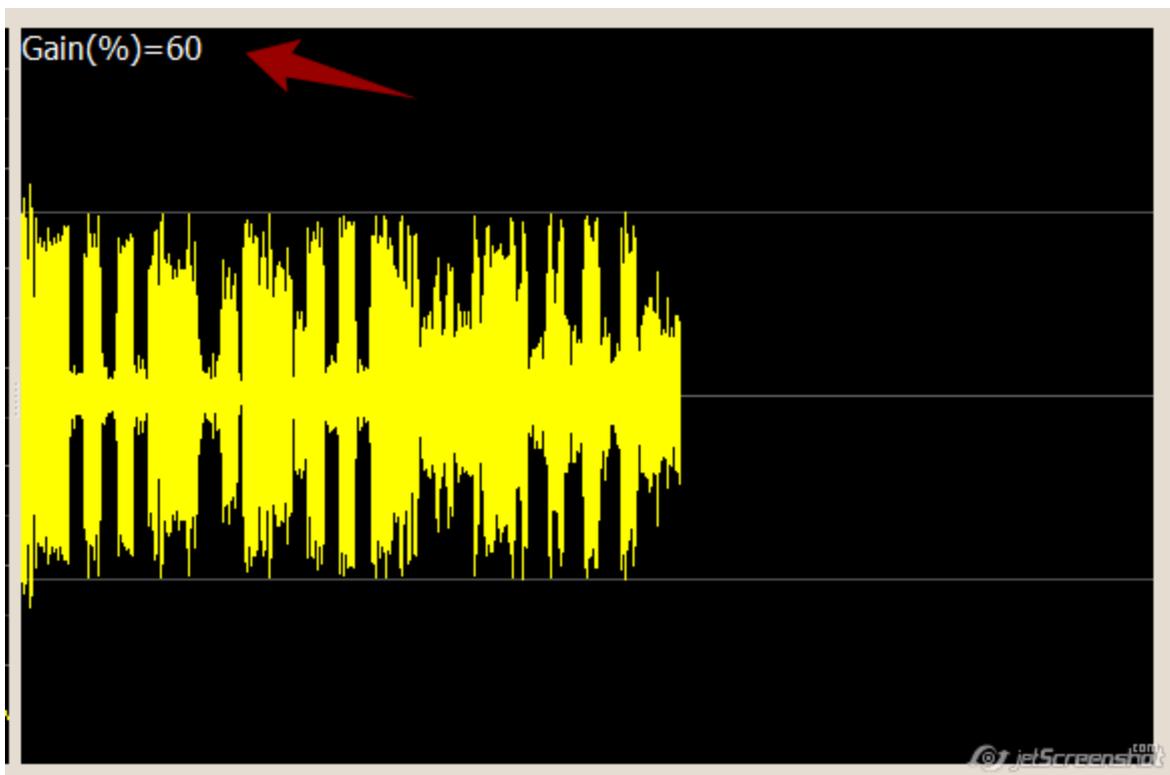
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Set Gain & Scale

SpectroScope.

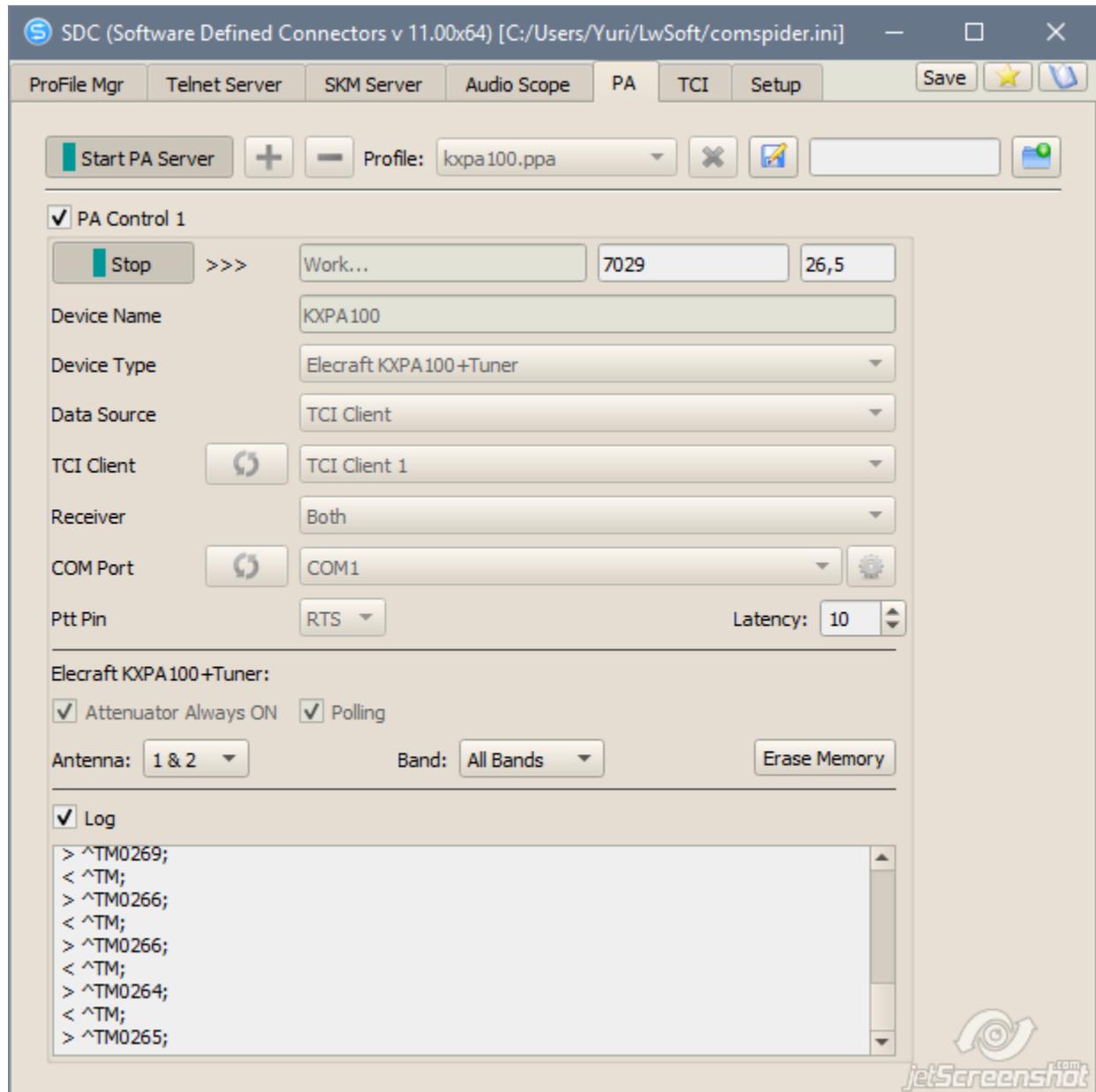


OscilloScope.



PA

PA
COM VFO SDC PA

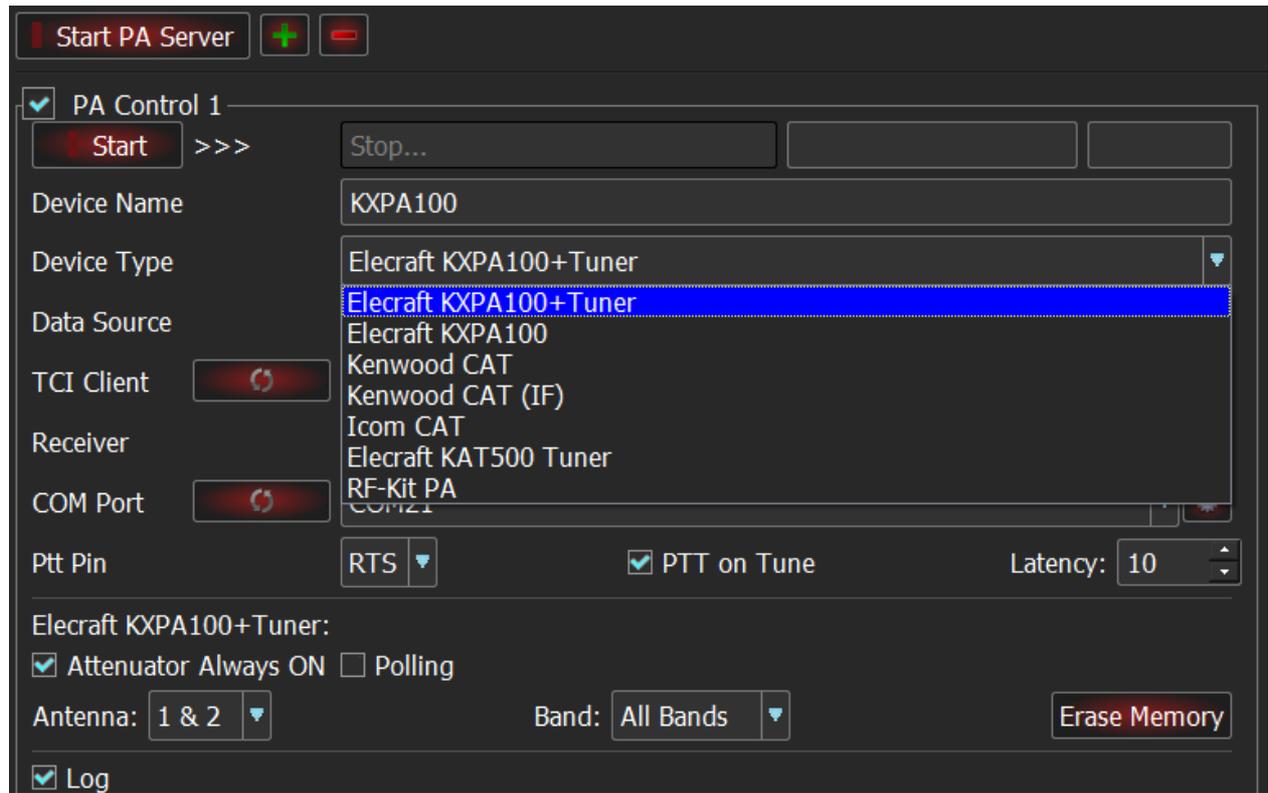


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Тип устройства

SDC 10.23
KENWOOD, ICOM, Elecraft, RF-Kit PA

CAT



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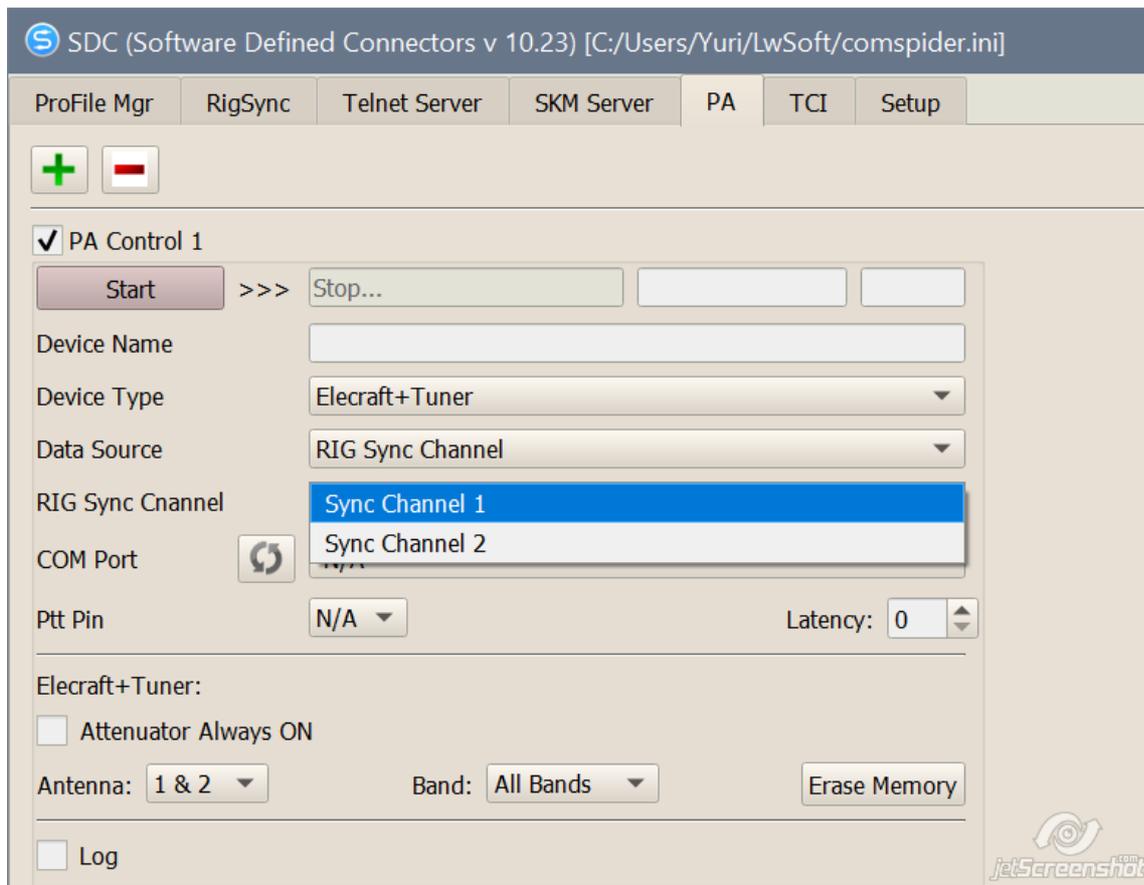
Источник данных

TCI.

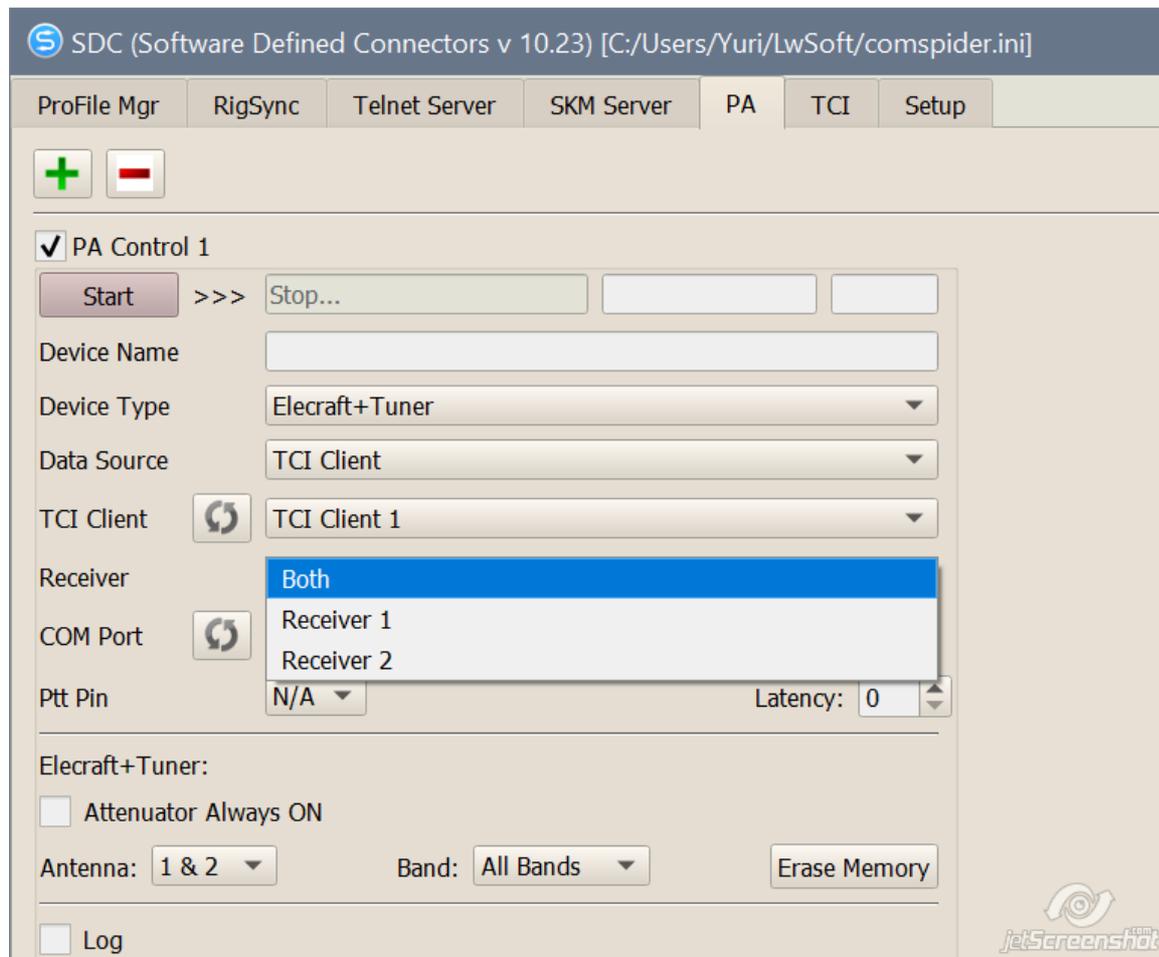
RigSync,

Rig Sync,

:



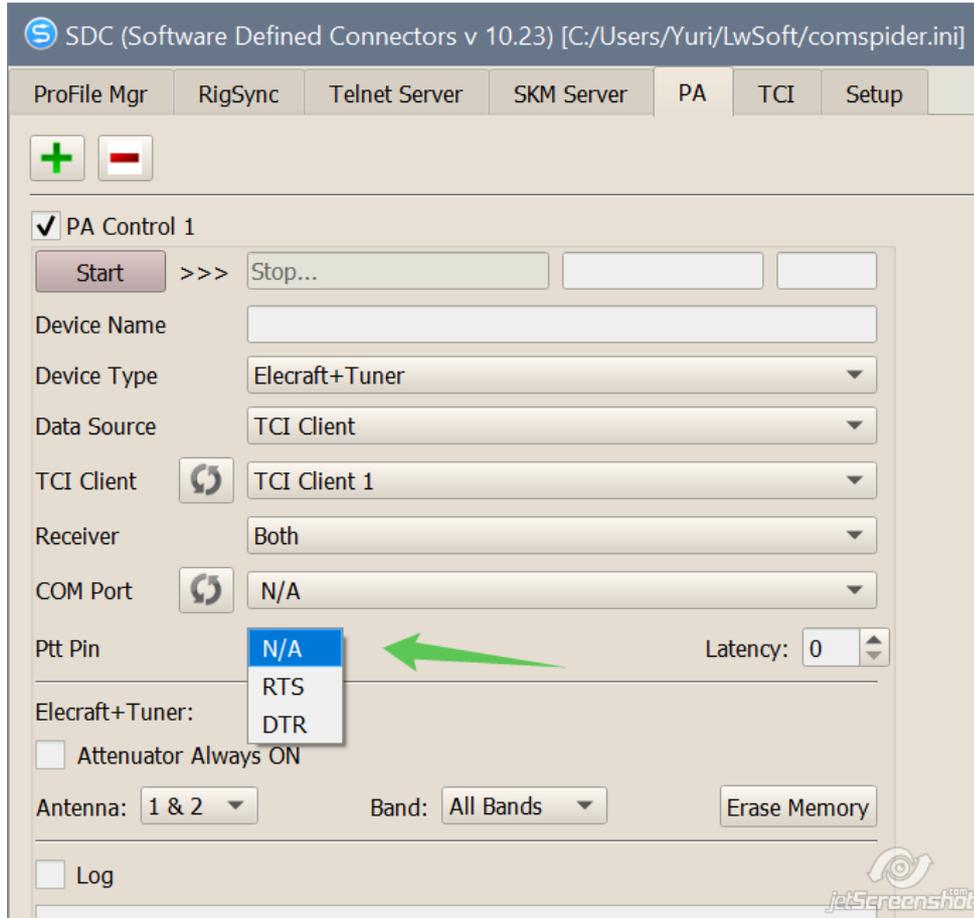
TCI,
TCI ,
:



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PTT

, RTS, DTR TCI, COM : PTT

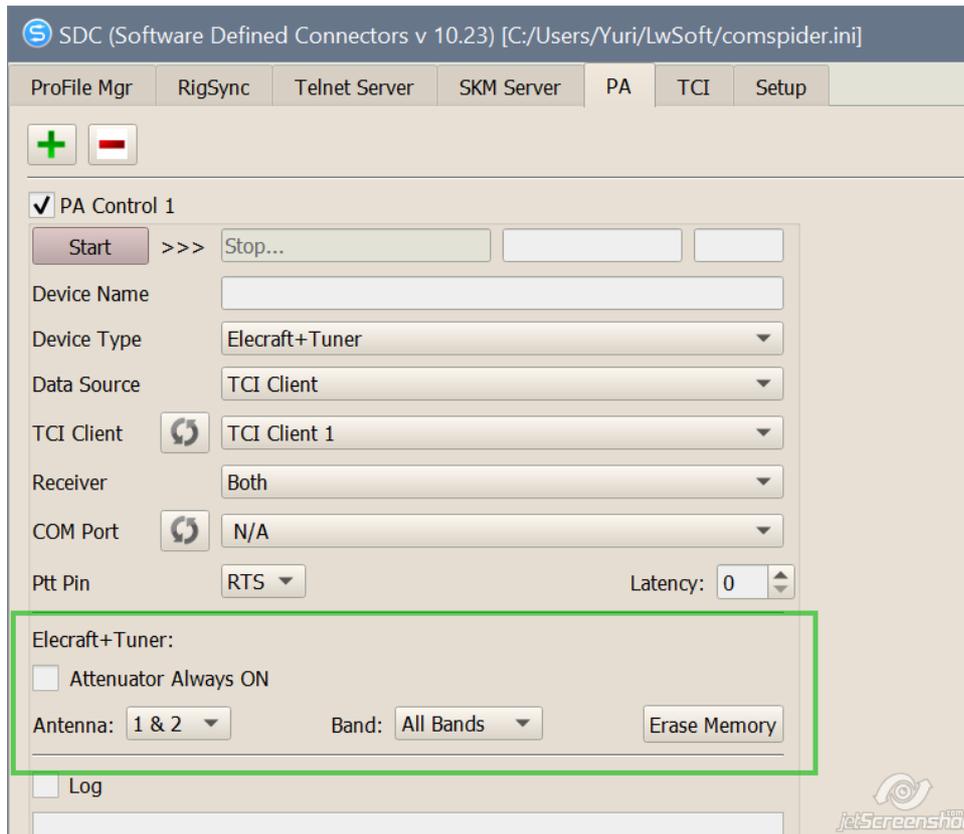


PTT VFO - "Latency". PTT
PTT VFO.

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Elecraft

Elecraft, :



Attenuator -

Antenna, Band, Erase -

"Erase"

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KENWOOD, Icom

CAT KEWOOD, Icom?

The screenshot shows the configuration window for a device named 'SPE'. The interface includes the following elements:

- Start/Stop:** A 'Start' button and a 'Stop...' button.
- Device Name:** A text field containing 'SPE'.
- Device Type:** A dropdown menu set to 'Kenwood CAT'.
- Data Source:** A dropdown menu set to 'TCI Client'.
- TCI Client:** A dropdown menu set to 'TCI Client 1' with a refresh icon to its left.
- Receiver:** A dropdown menu set to 'Both'.
- RIG Sync Channel:** A dropdown menu set to 'Sync Channel 1'.
- COM Port:** A dropdown menu set to 'COM1' with a refresh icon to its left and a gear icon to its right.
- Ptt Pin:** A dropdown menu set to 'N/A' and a 'Latency: 0' spinner control.
- Kenwood CAT:** A section containing a 'Time Poll' spinner set to '100' and a 'Type Poll' dropdown set to 'Only Cyclic Control'.
- Log:** An unchecked checkbox labeled 'Log'.

The JABERCAST logo is visible in the bottom right corner of the window.

Time Poll - , VFO .

Type Poll:

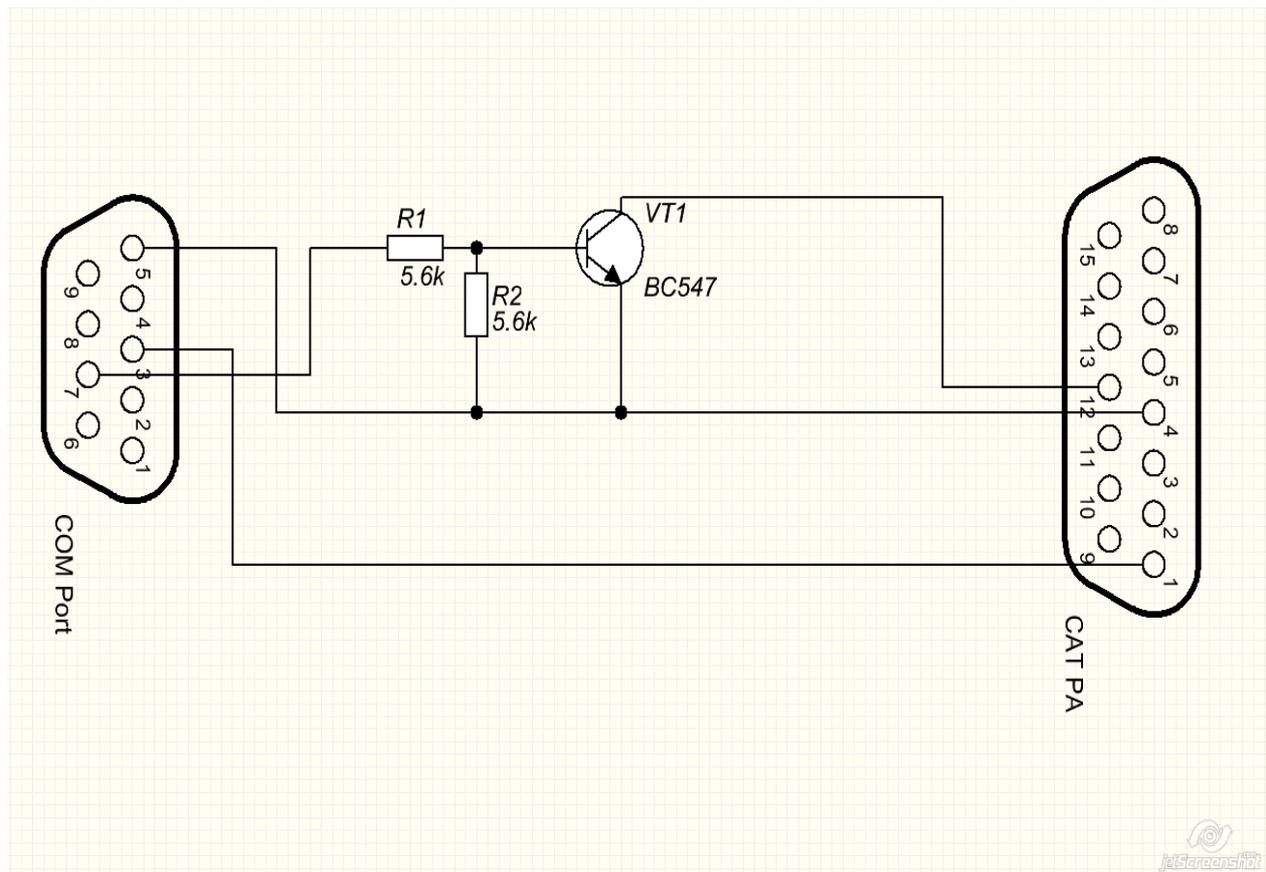
- Only Cyclic Control - VFO.
- Send Changes & Cyclic Control - VFO
- Time Poll.
- Send Changes & Polling - VFO
- Time Poll.

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Соединительные кабели

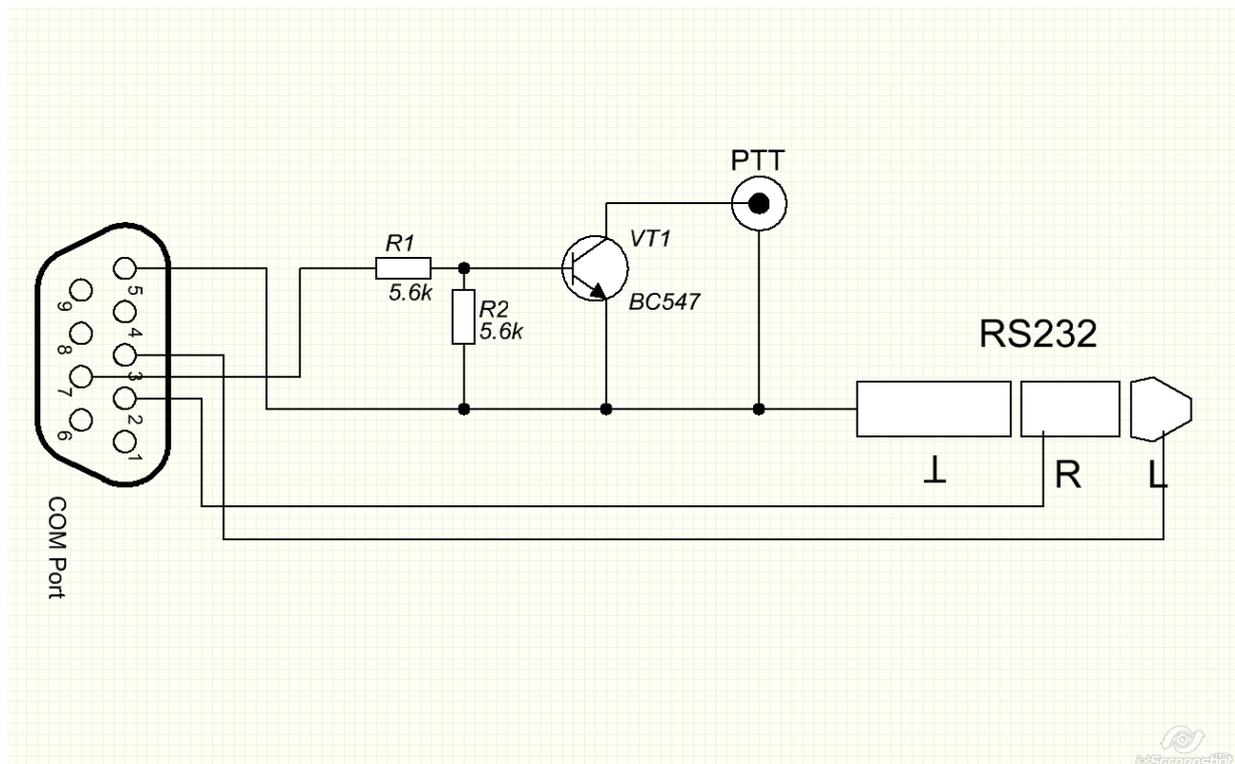
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1K-FA



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KXPA100



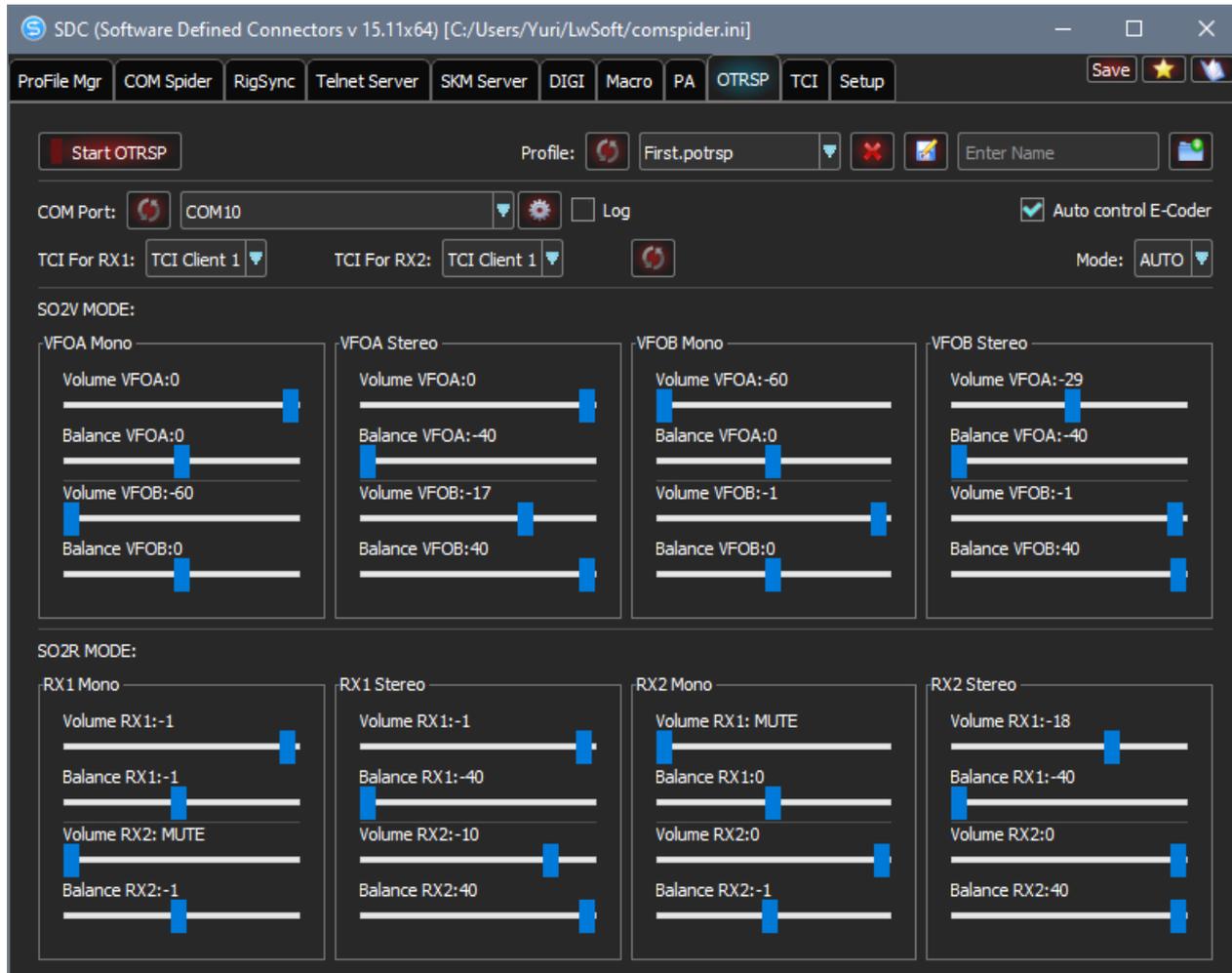
OTRSP

SDC-OTRSP -

ExpertSDR2.

COM

E-Coder.



COM

(SO2V/SO2R)

RX2S

RX2 Stereo.

COM Port - COM

TCI Fro RX1 - [TCI](#) 1-

TCI Fro RX2 - [TCI](#) 2-

Auto control E-Coder -

VFO RX1/RX2

E-Coder.

Поддерживаемые команды

RX1 - 1-
 RX1S - 1-
 RX2 - 2-
 RX2S - 2-
 VFOA, VFO1 - VFOA 1-
 VFOAS VFO1S - VFOA 1-
 VFOB, VFO2 - VFOB 1-
 VFOBS, VFO2S - VFOB 1-

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SWR Meter

SWR ESDR2 SWR Tune
1.3.0 beta 3. 3

Band 7 MHz Start 7000 Step 25 Stop 7200 History: 190704-2005 TCI: TCI Client 1
 Start Clear X 190703-181224.7 + Receiver Receiver 1

10.0
 9.0
 8.0
 7.0
 6.0
 5.0
 4.0
 3.0
 2.0
 1.0
 7000 7050 7100 7150 7200

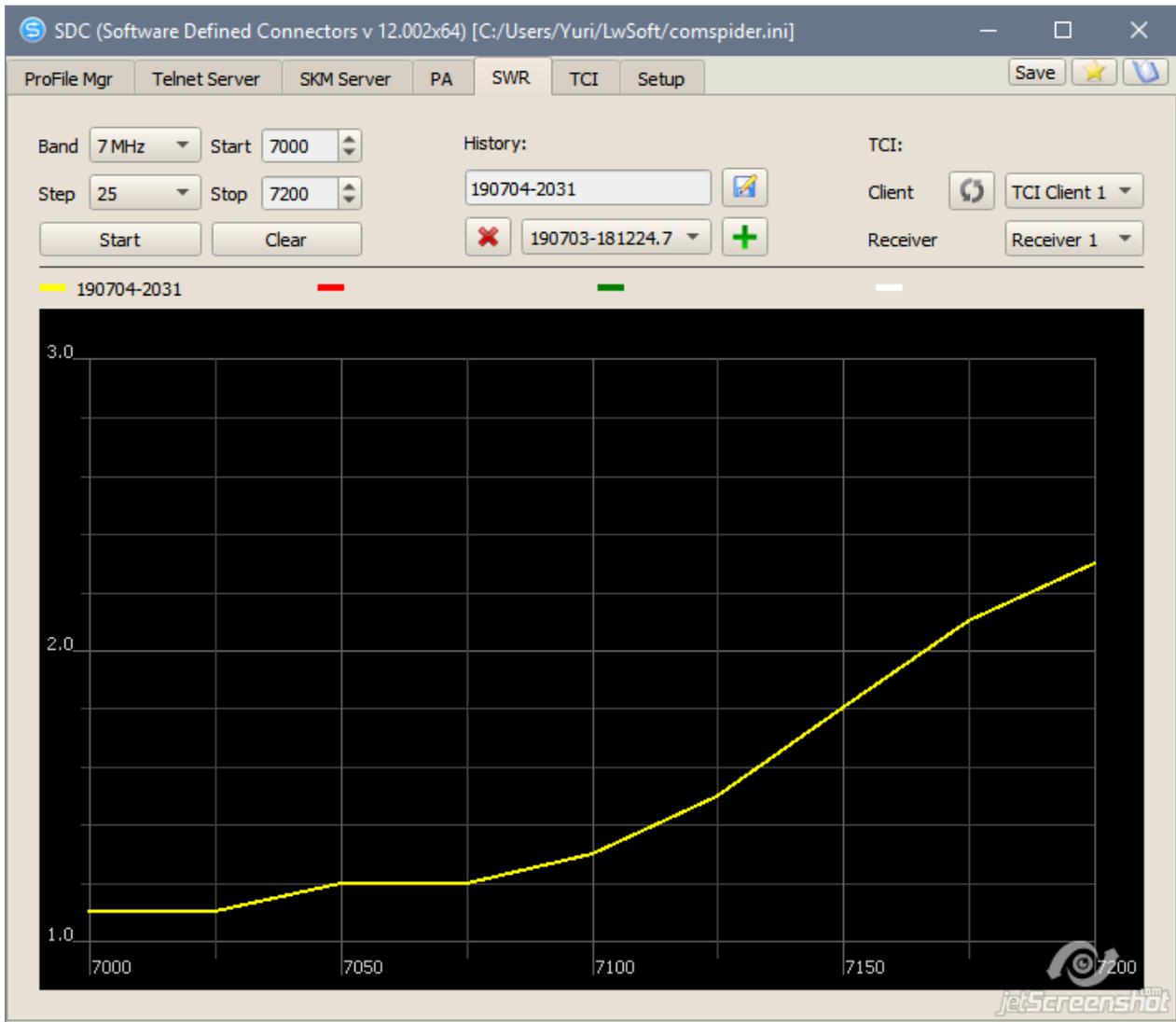
jetsscreenshot.com

(Band),

(Step),

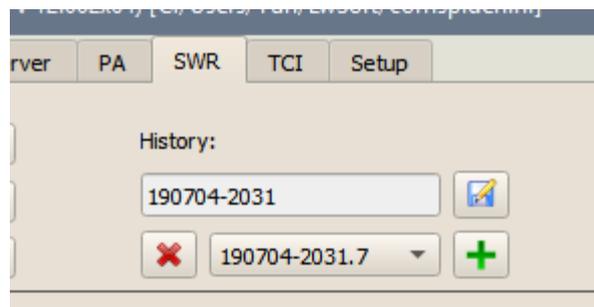
(Start-Stop)

"Start":

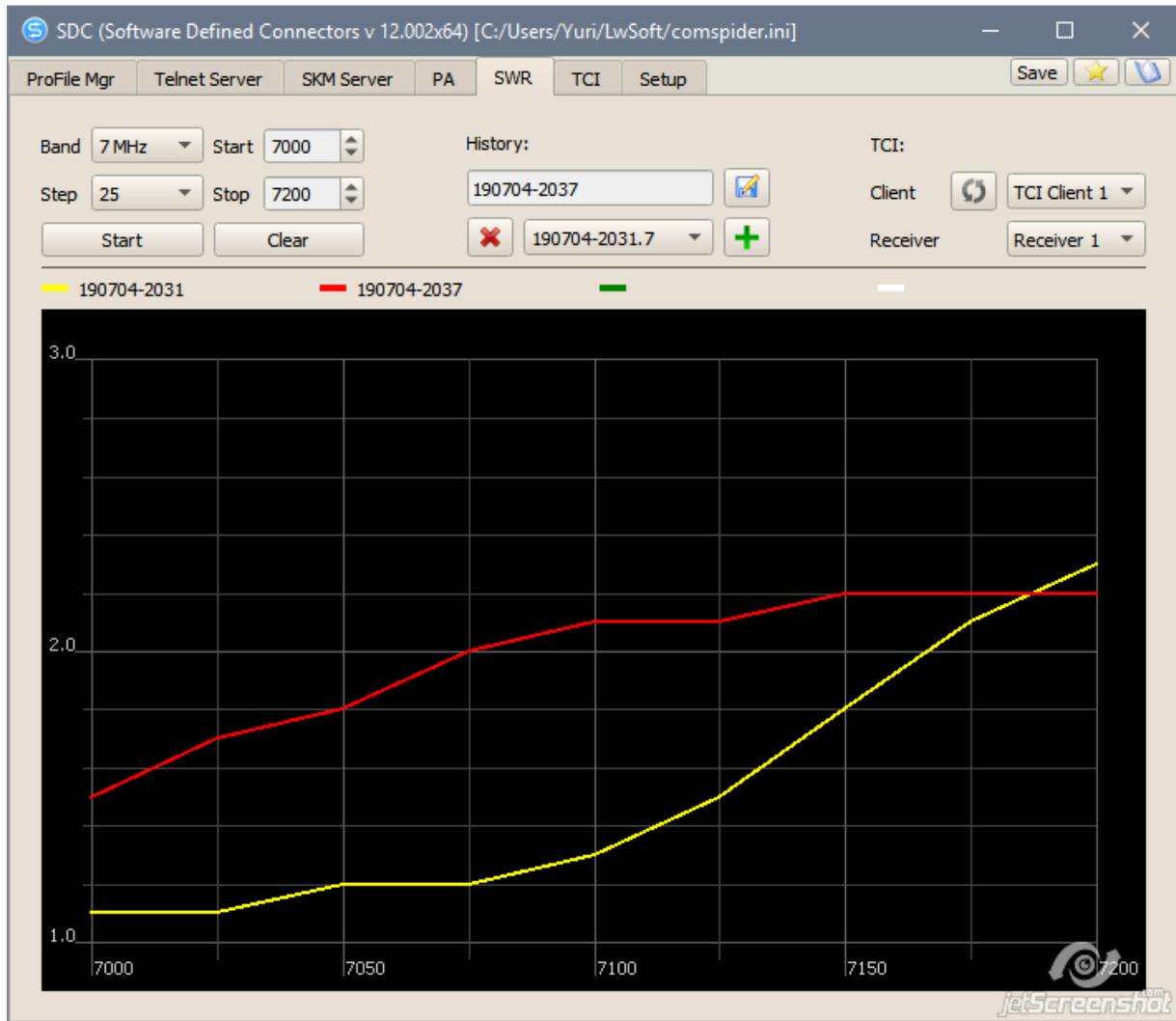


History

"Save".



4-



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Пример использования программы совместно с 5MContest

«SDC»
5MContest. «SDC», 5MTelnetServer,
5MContest.

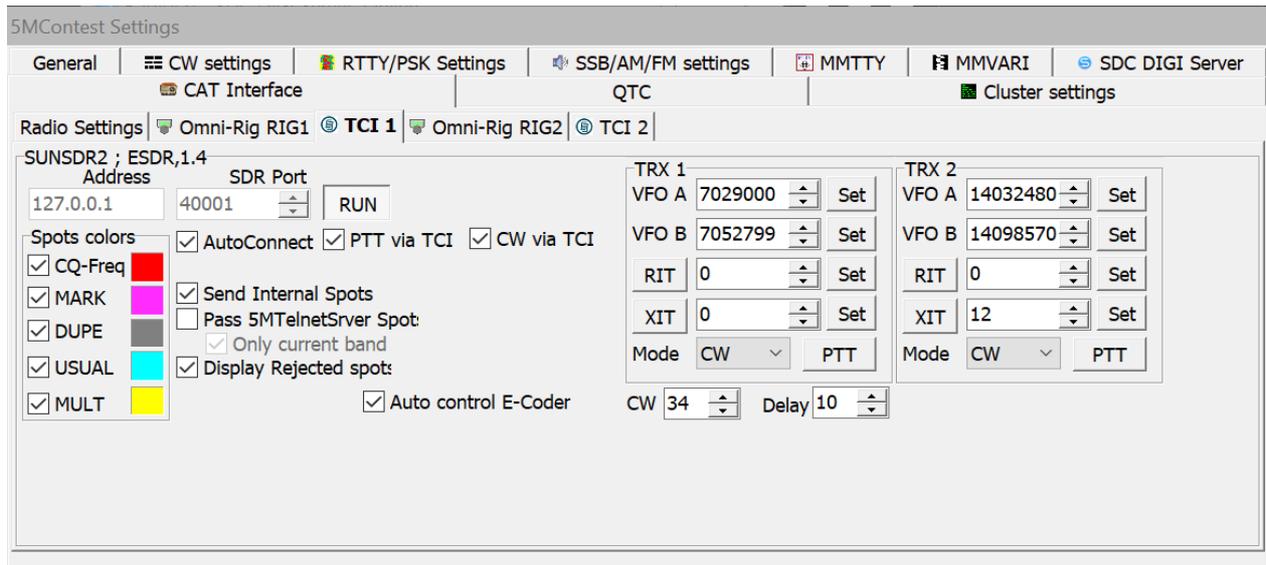
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Установки в 5MContest

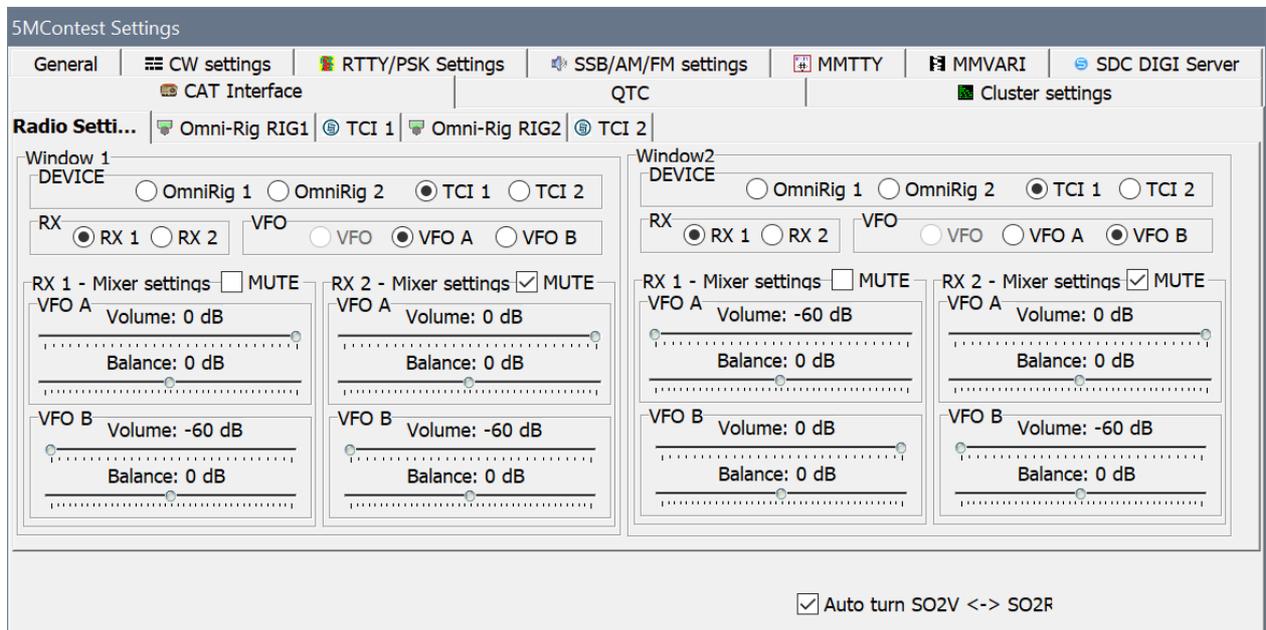
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CAT интерфейс

1. ExpertSDR2 TC11.

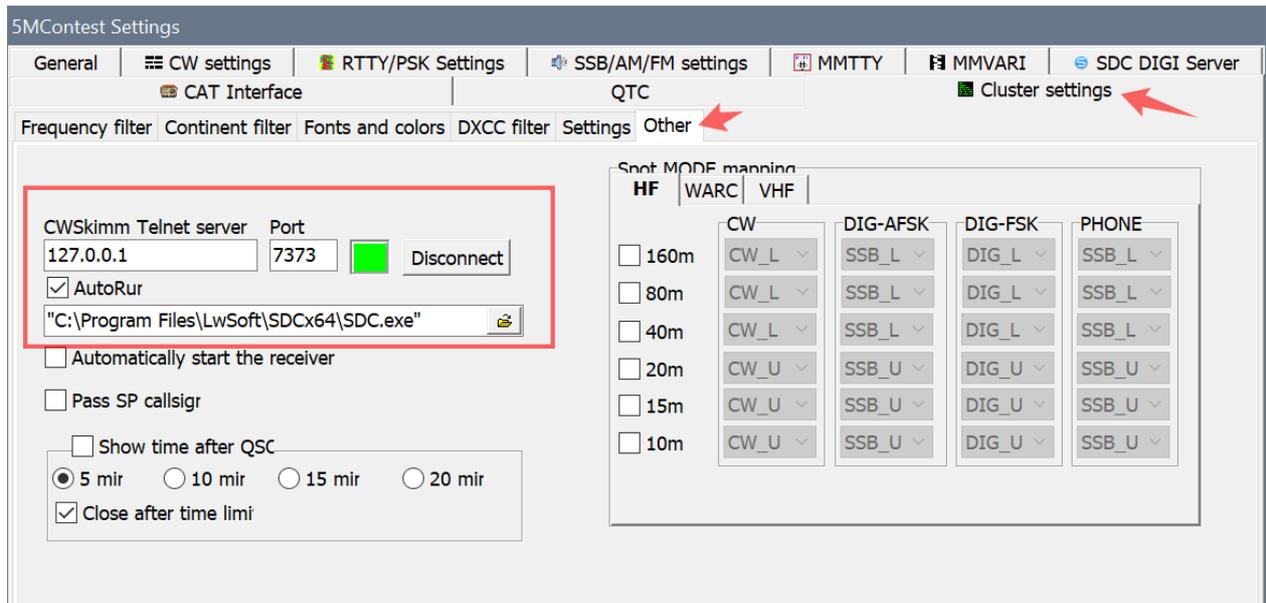


2. "Radio settings":



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Подключение к SDC Telnet Server

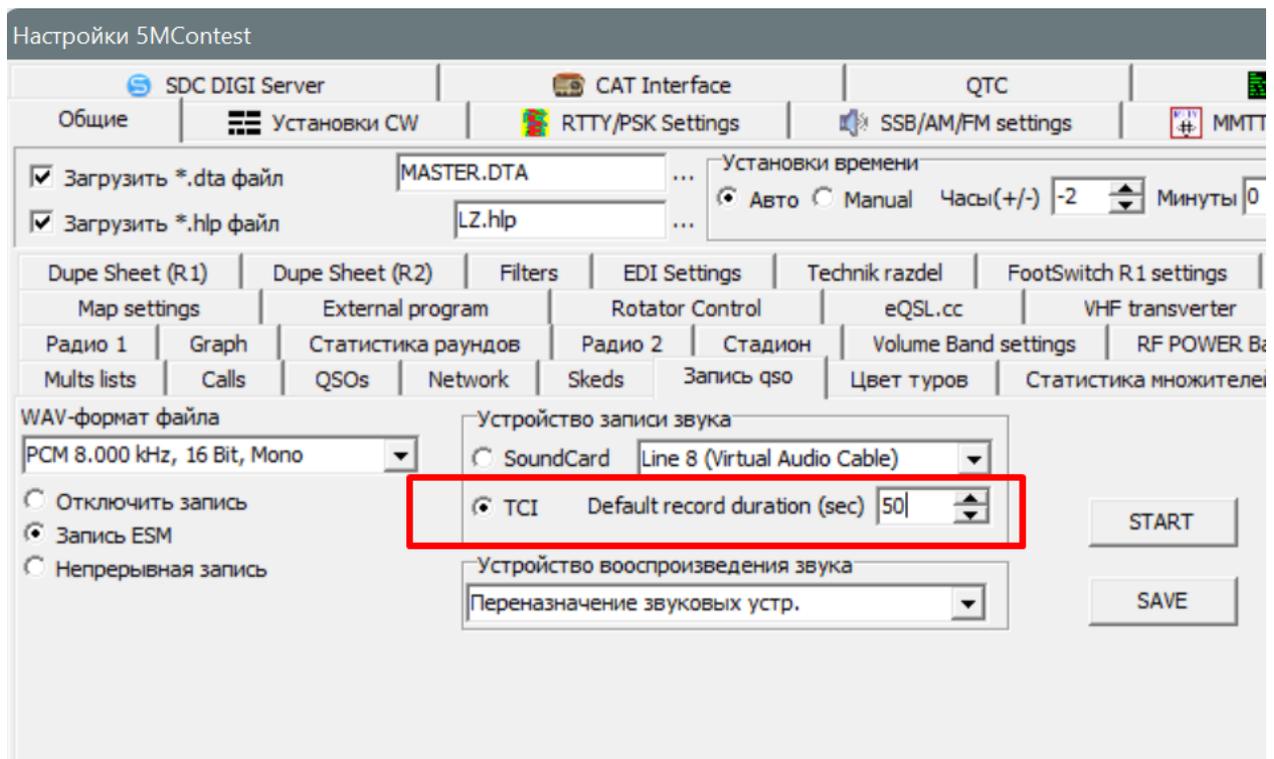


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Запись QSO

SunSDR2 (PRO,DX,MB1) ExpertSDR3,

QSO

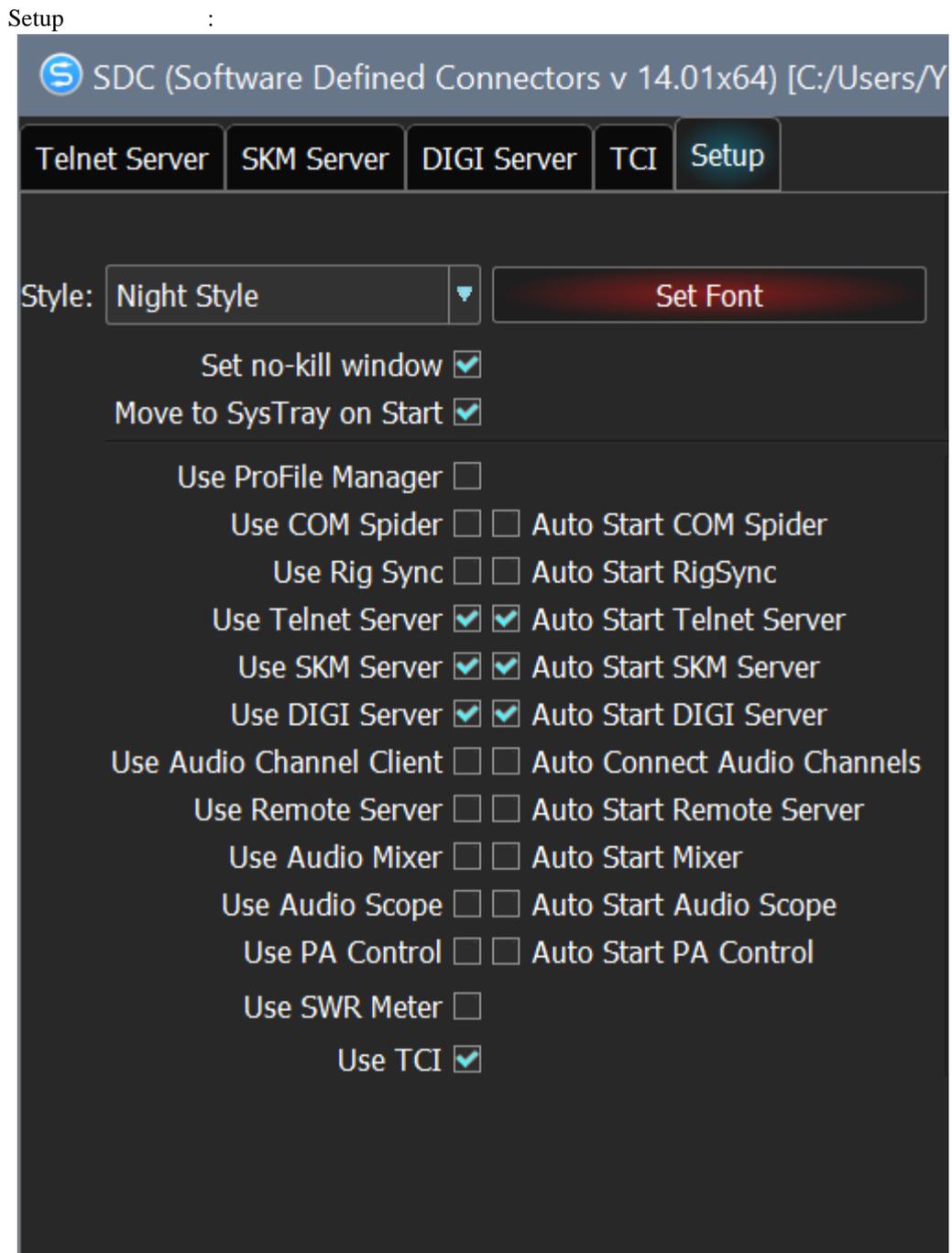


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SDC

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Setup



«Move to SysTray on AutoStart» - ,

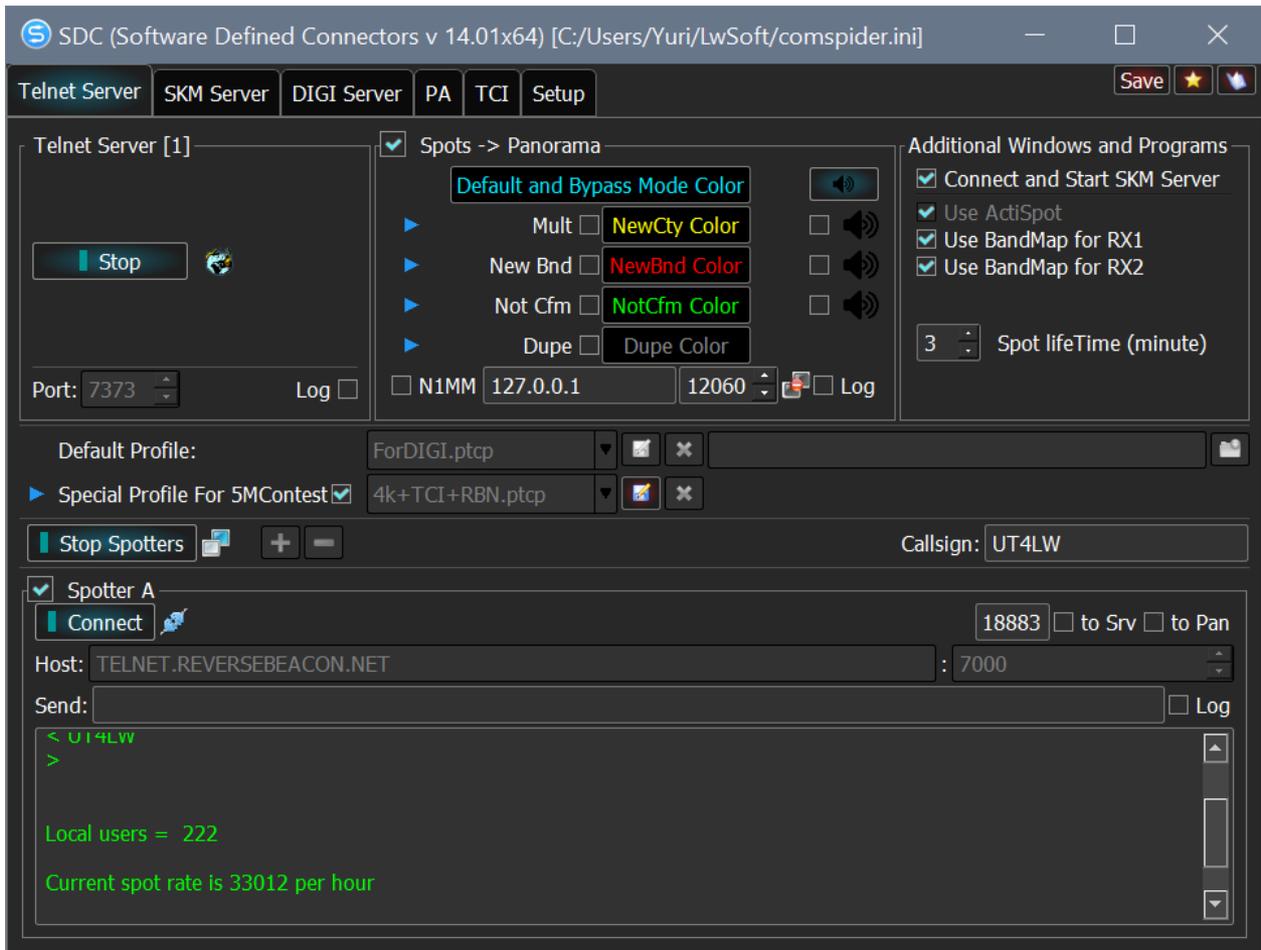
«Set no-kill window» -

« »

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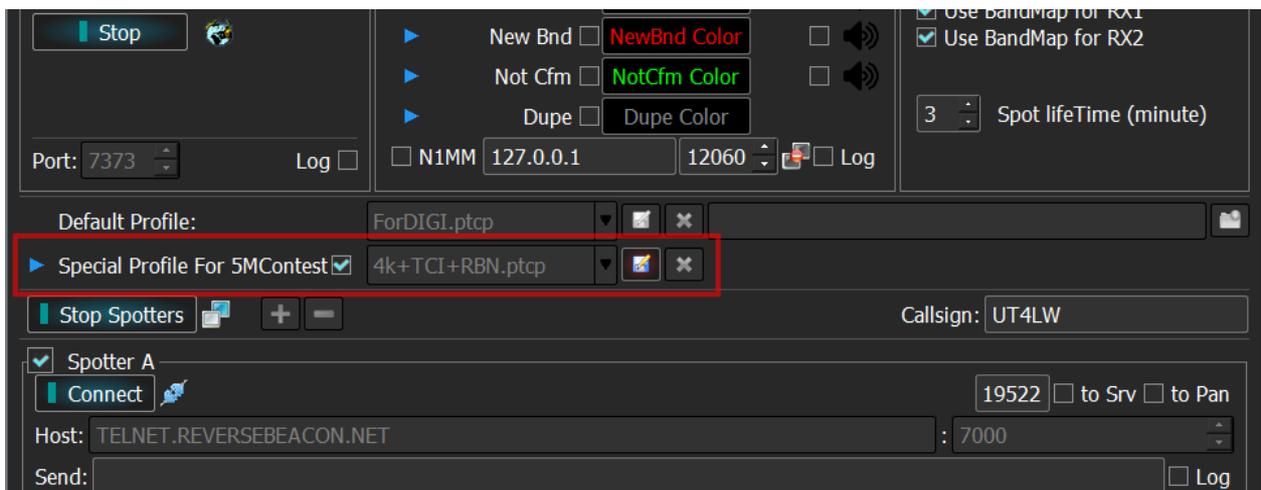
Telnet Server

RBN



(, 4k+TCI+RBN)

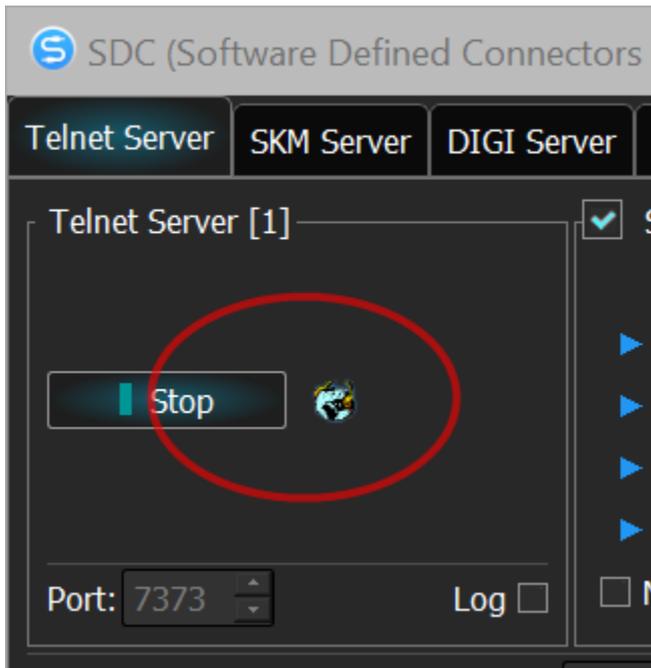
connected». , «Use a special profile when 5MContest
5MContest Telnet Server



!

5MContest

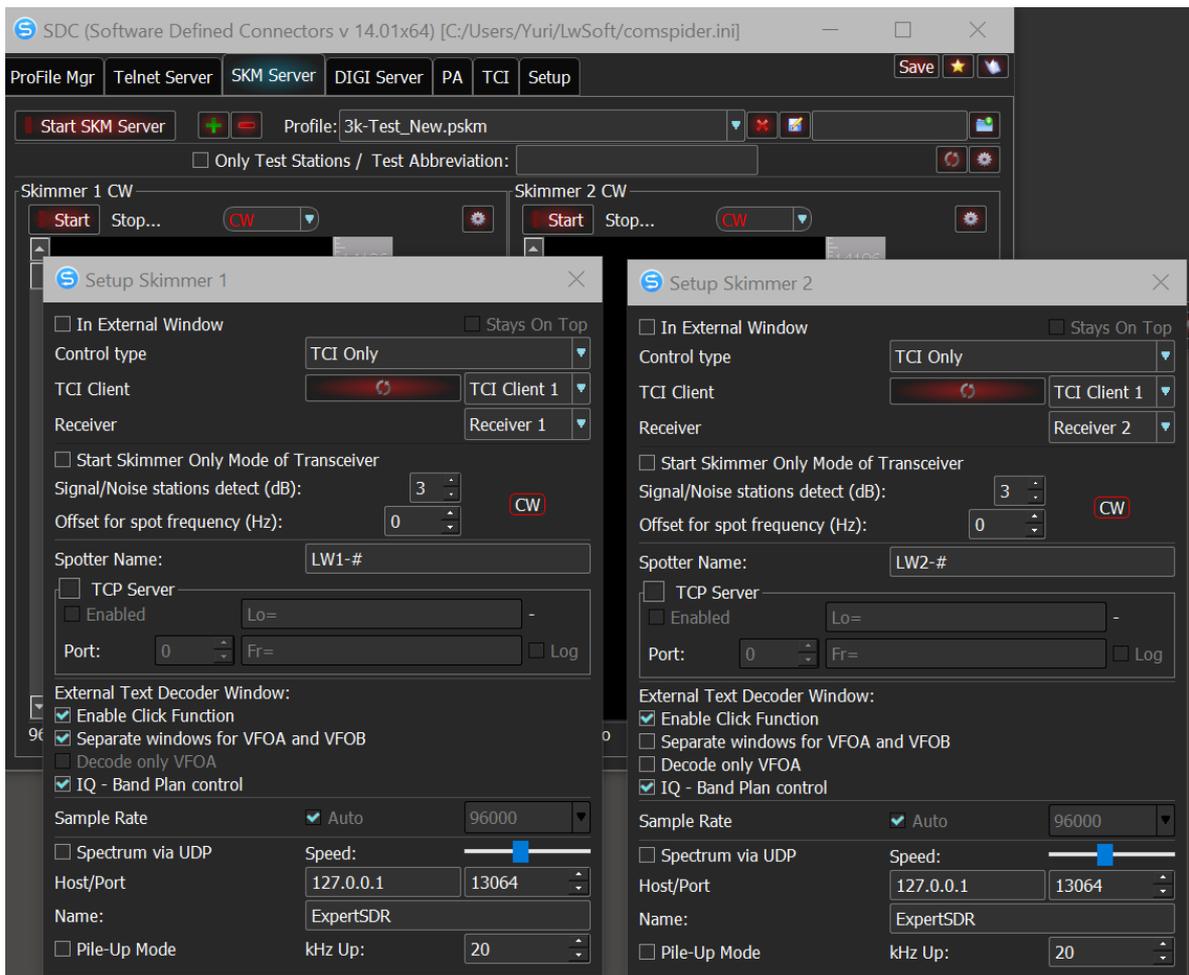
«Telnet Server»

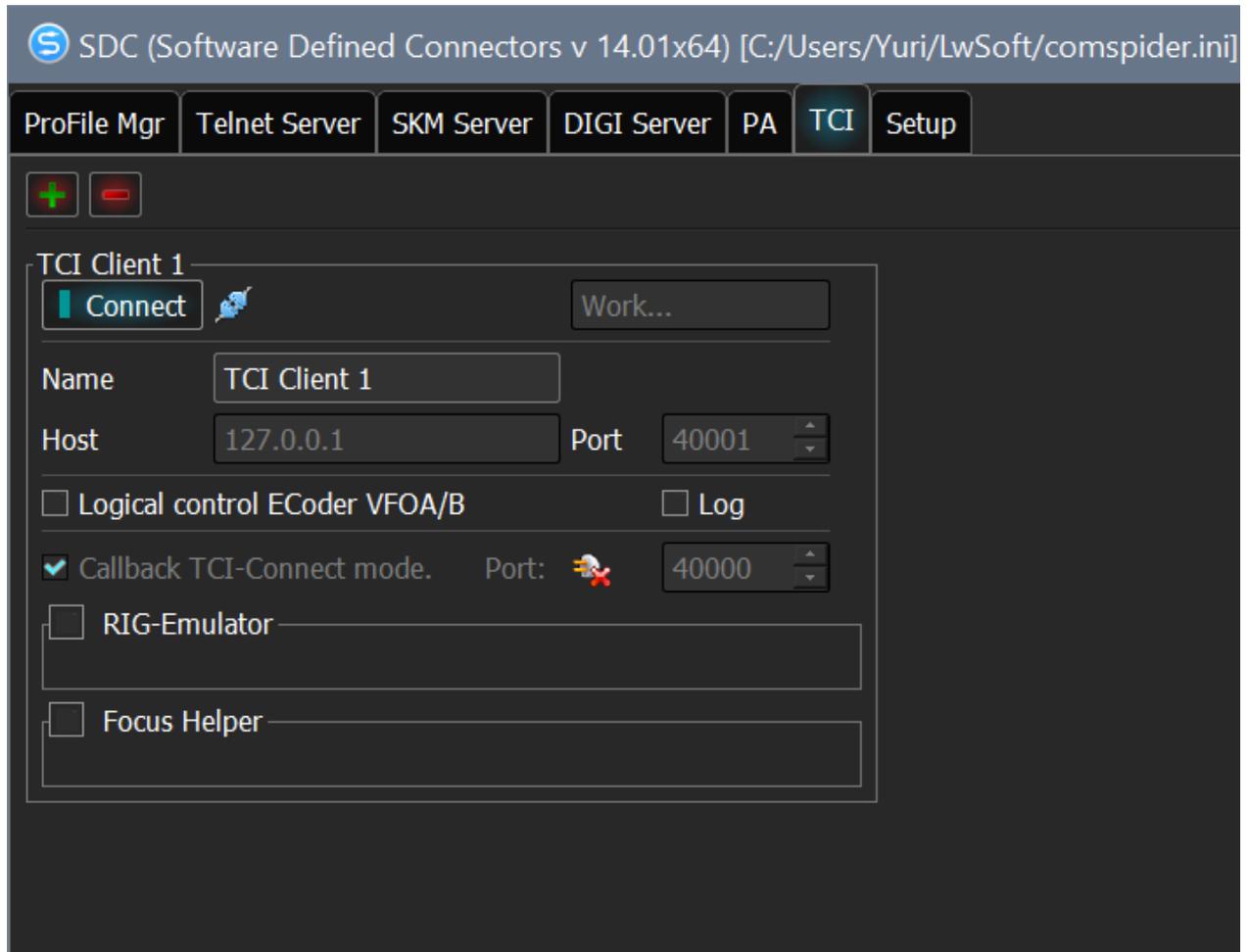


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SKM Server

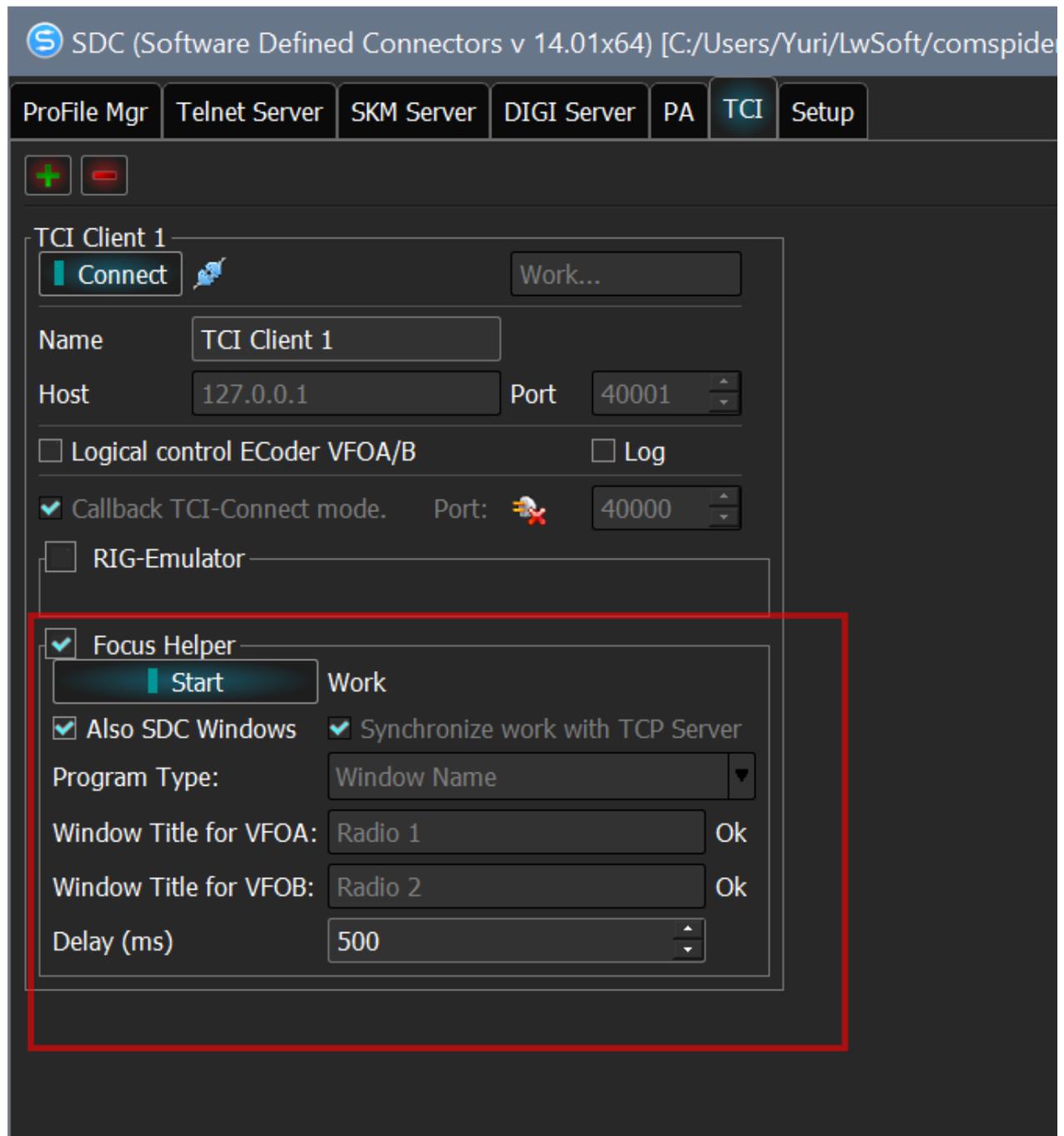
SKM Server



TCI

TCI-Focus Helper:

5MContest,

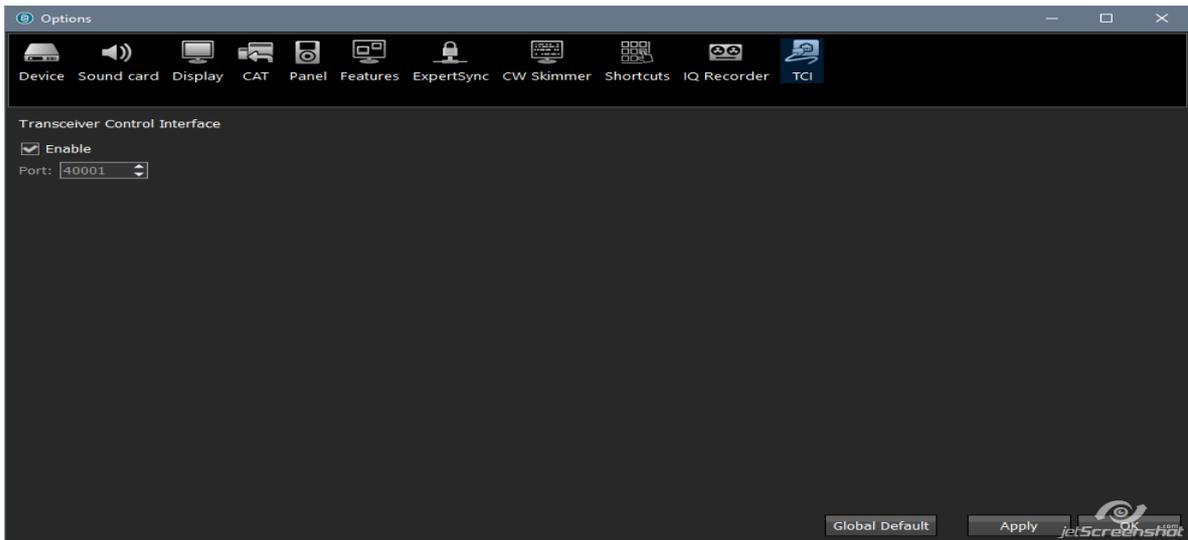


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Установки программы ExpertSDR2

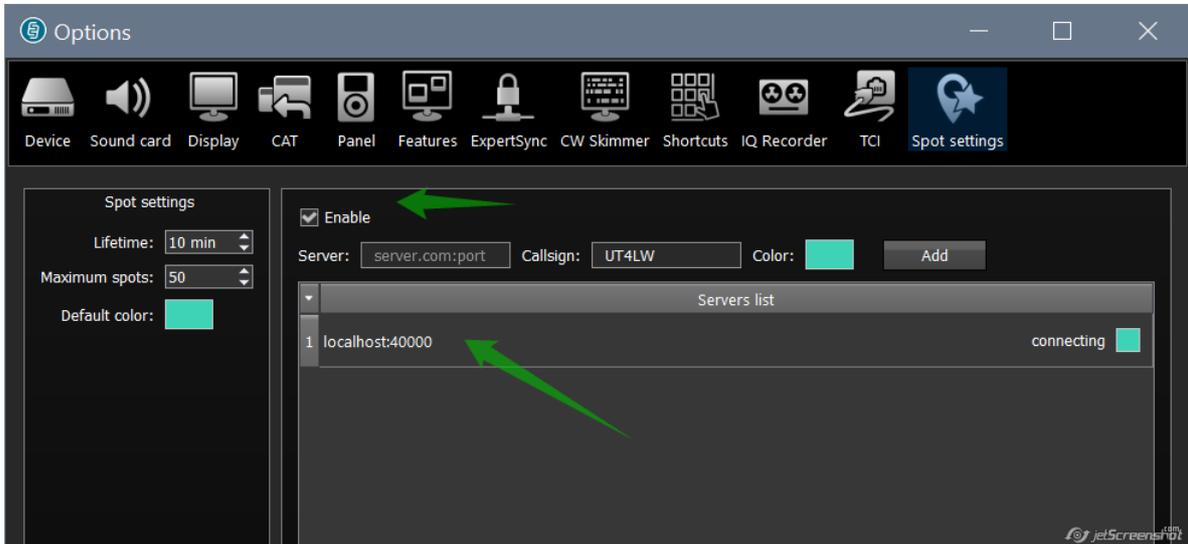
ExpertSDR2
 “Enable”:

TCI



TCI-CallBack

"Spot Setting":

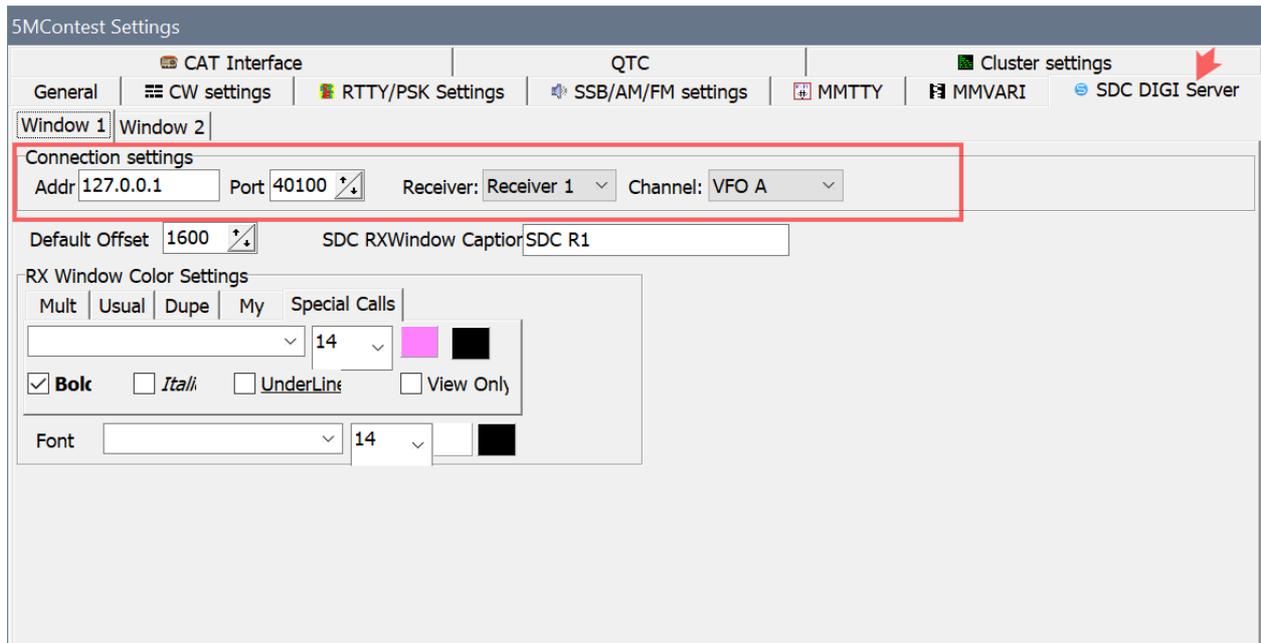


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DIGI

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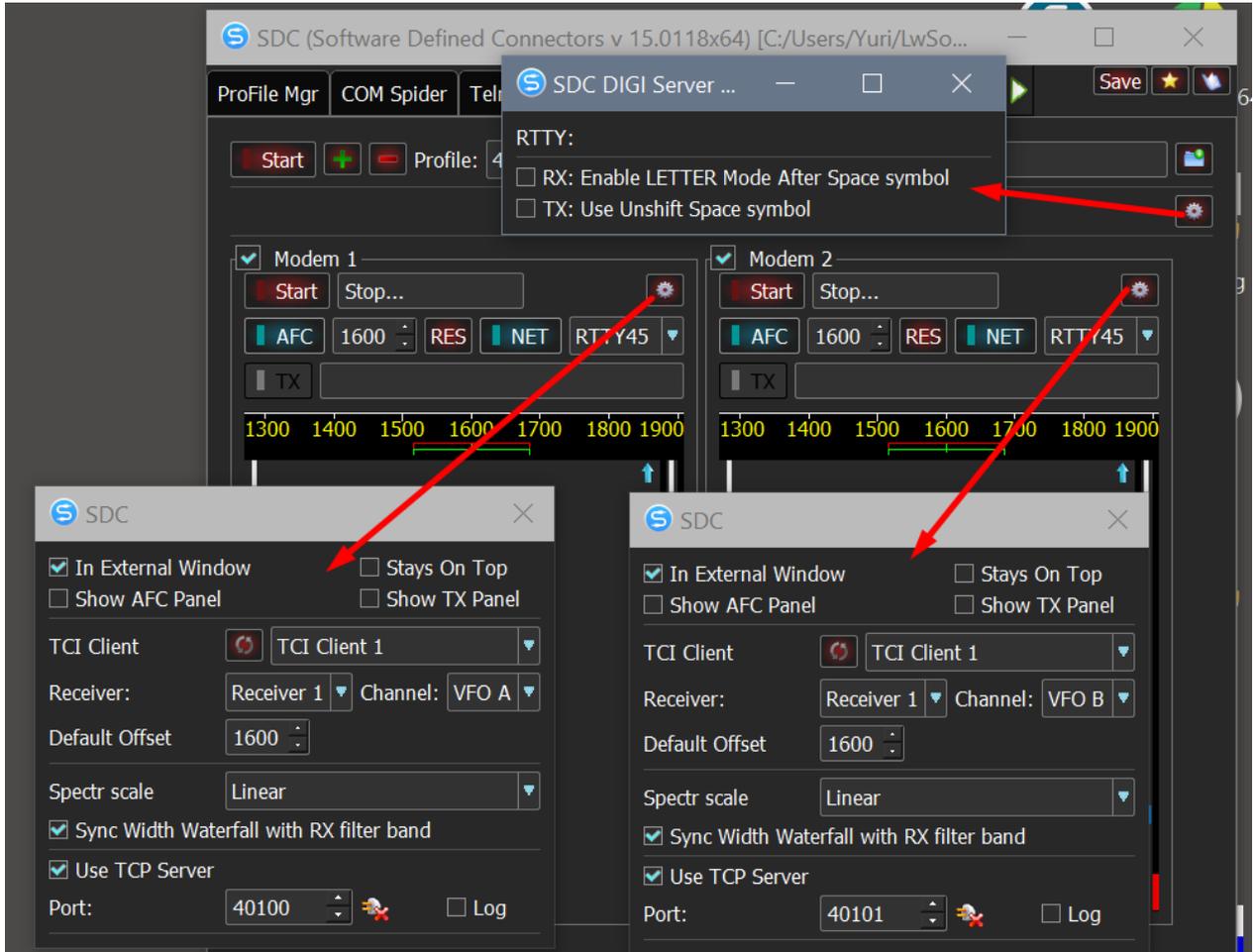
5MContest



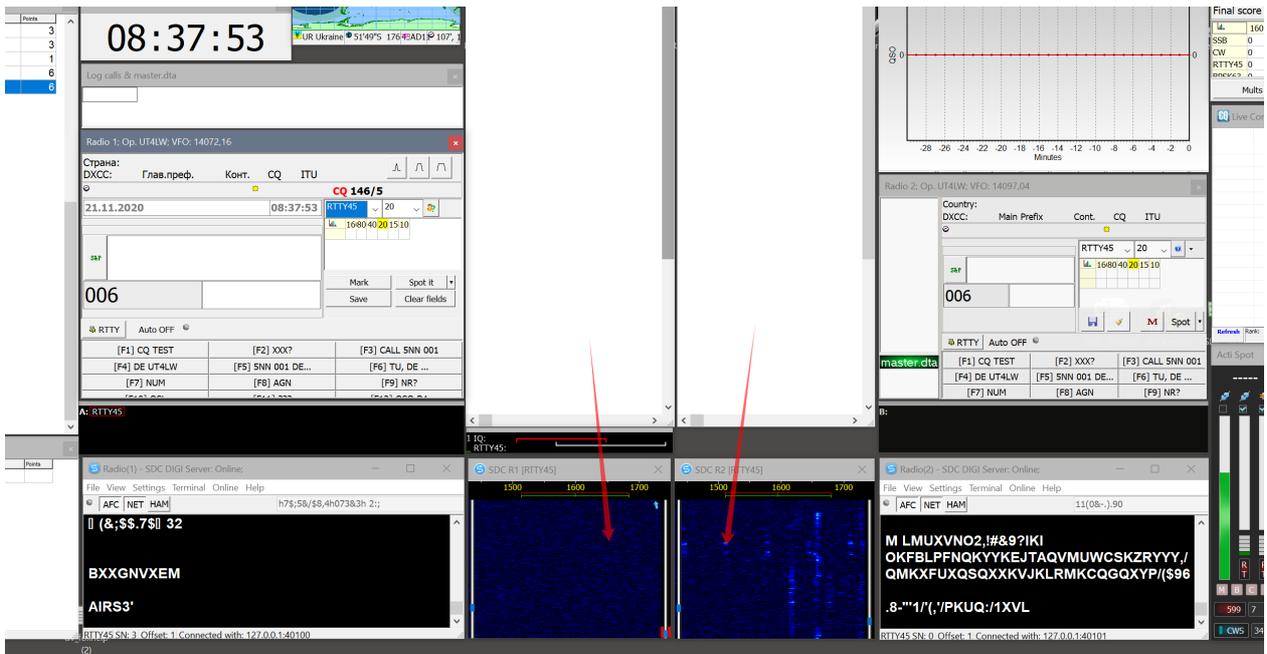
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SDC

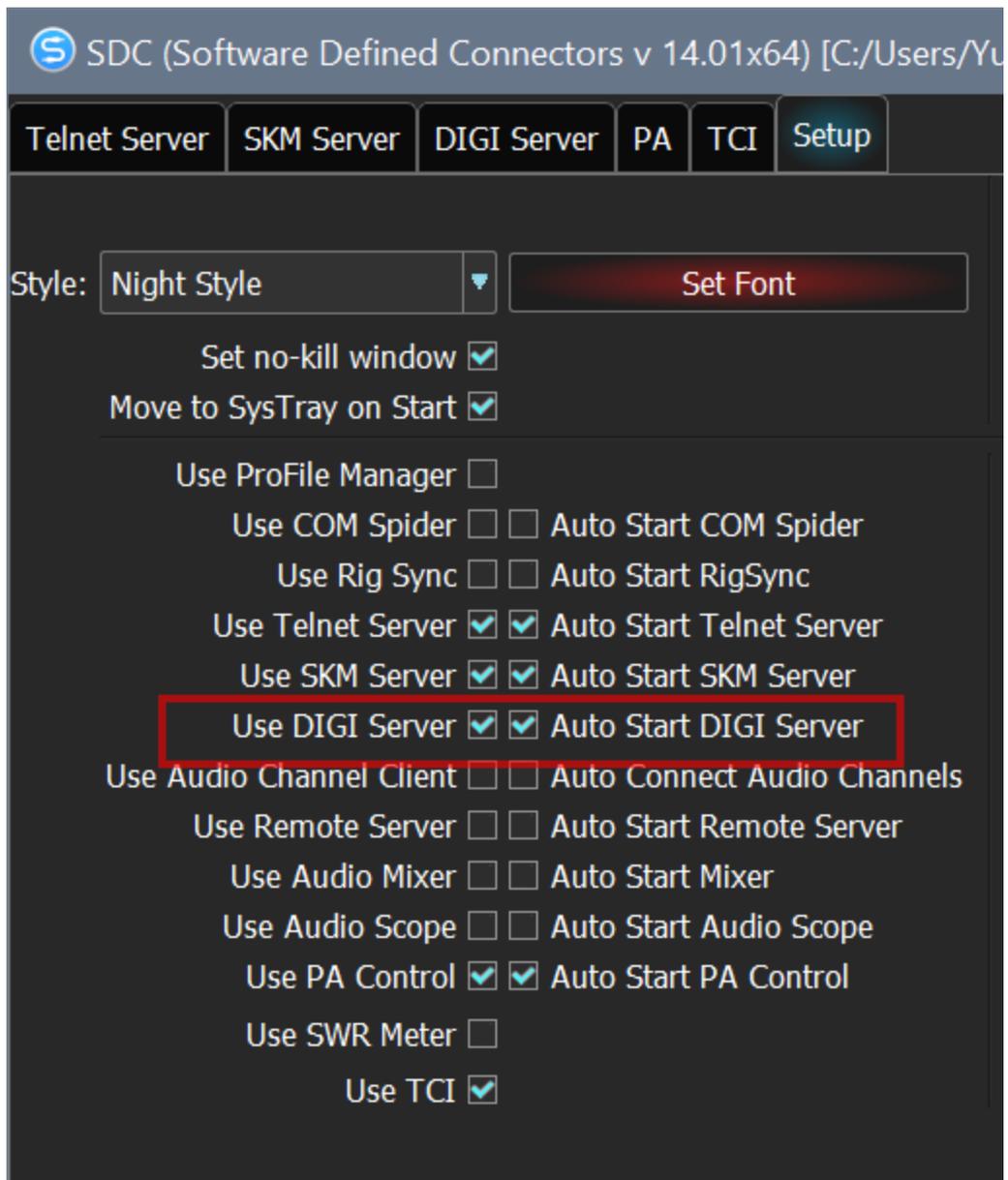
SDC-DIGI Server



"Start" SDC-DIGI Server.

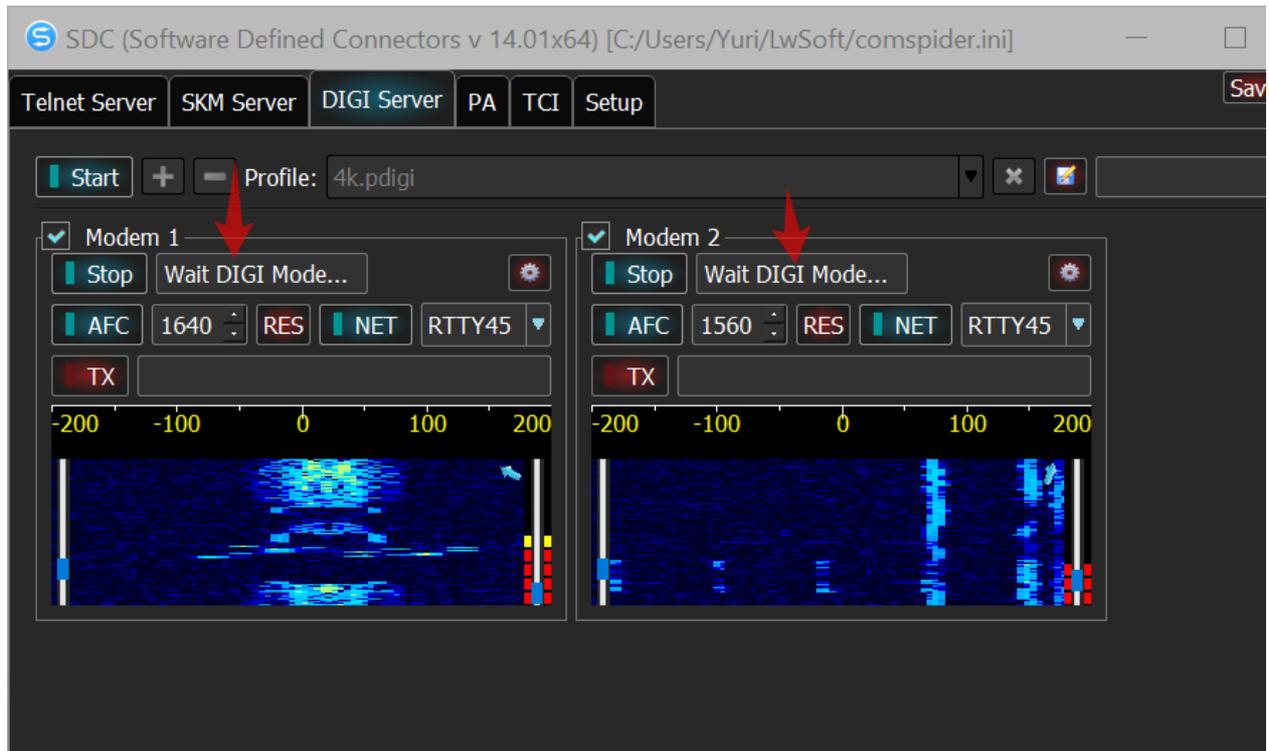


SDC-DIGI Server,



DIGI TCP

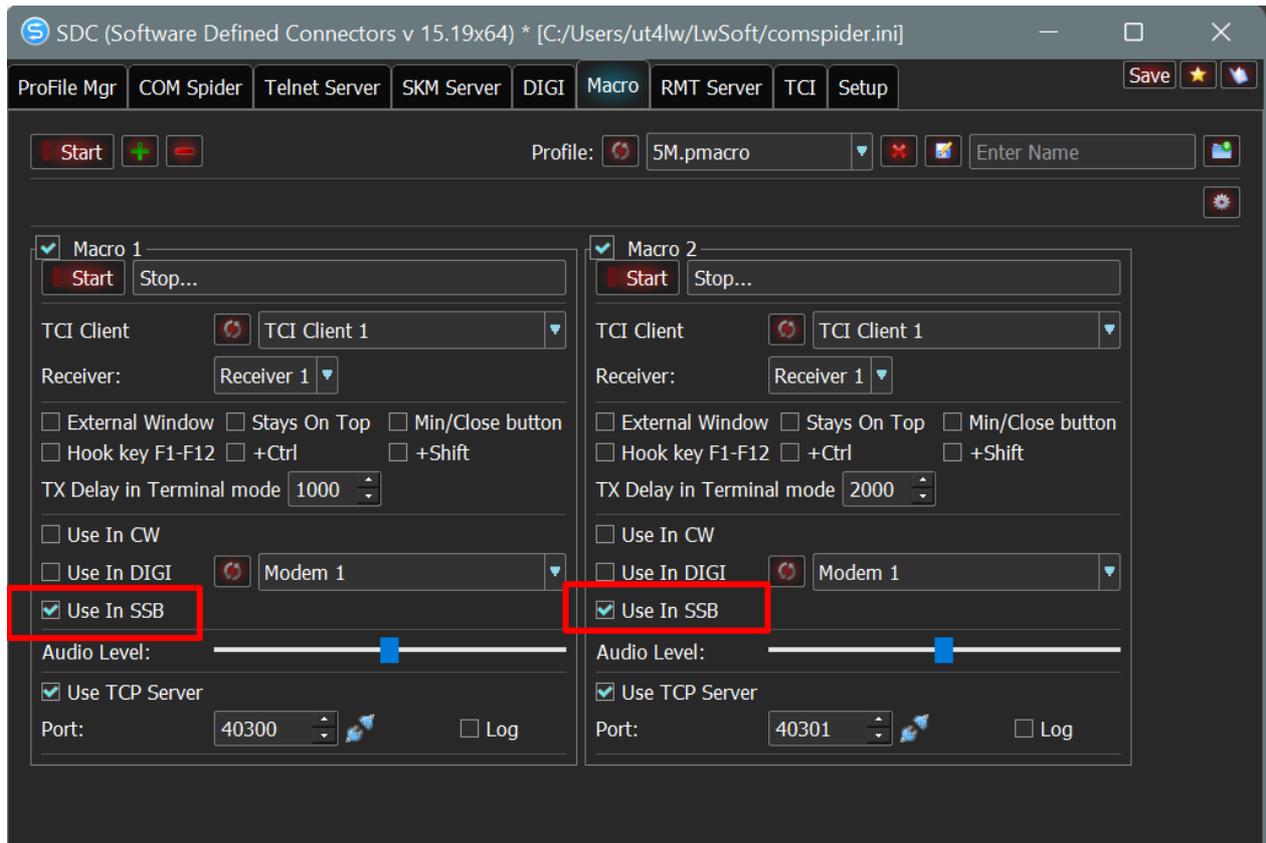
, SDC-DIGI Server,



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SBB

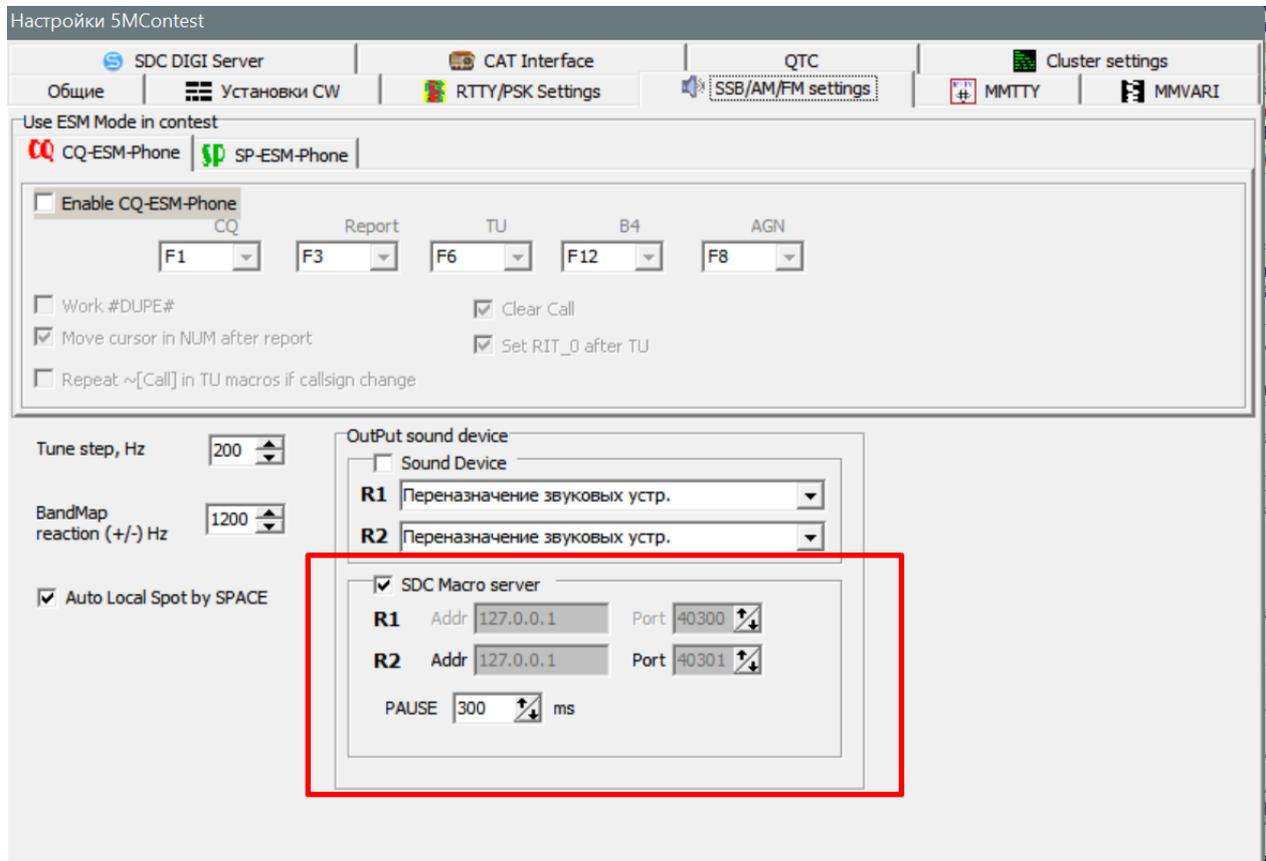
SSB SDC TCI. IQ
 . SDC-Macro SDC-
 Macro Macro TCI. :
 Macro



, SDC-Marco

SSB.

5MContest:

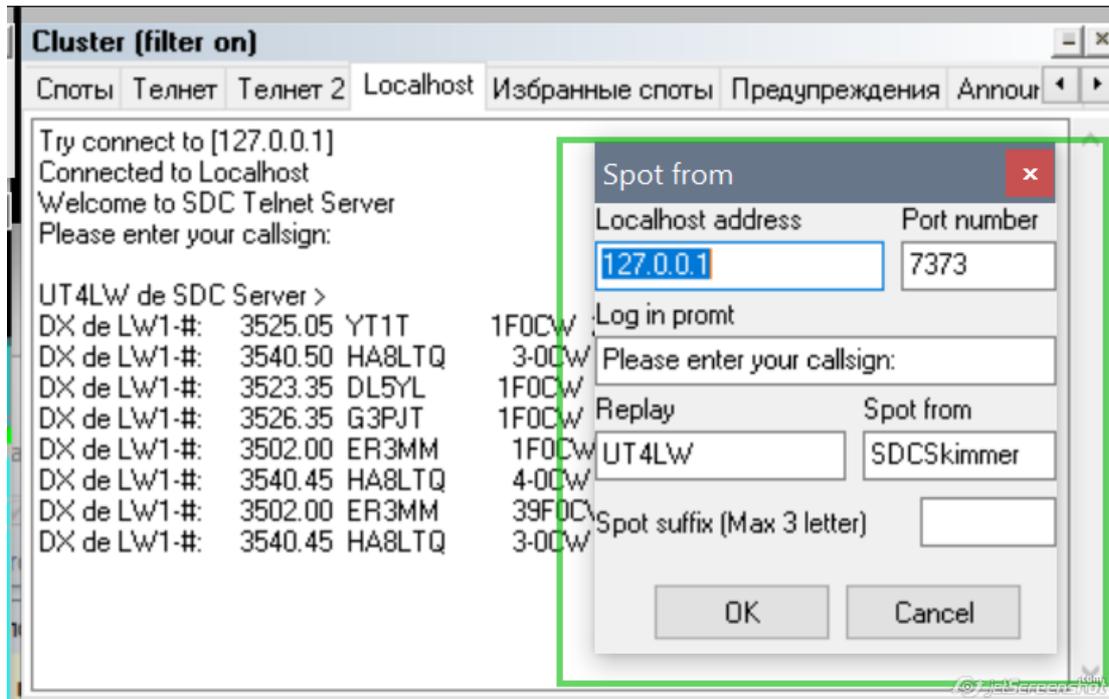


Пример использования программы совместно с LogHX

LogHX , 5MContest, :
 LogHX SDC - SDC (, LogHX.
 SDC Telnet Server)
 , LogHX.

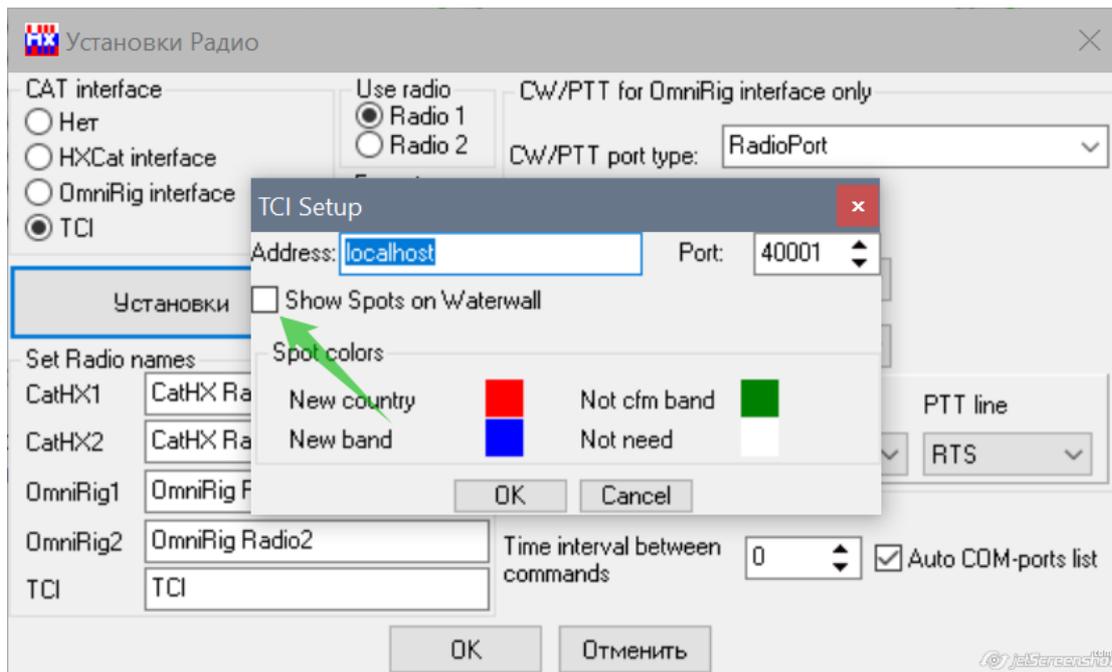
Установки в программе LogHX

Cluster - Localhost :
 SDC-Telnet Server



LogHX - TCI

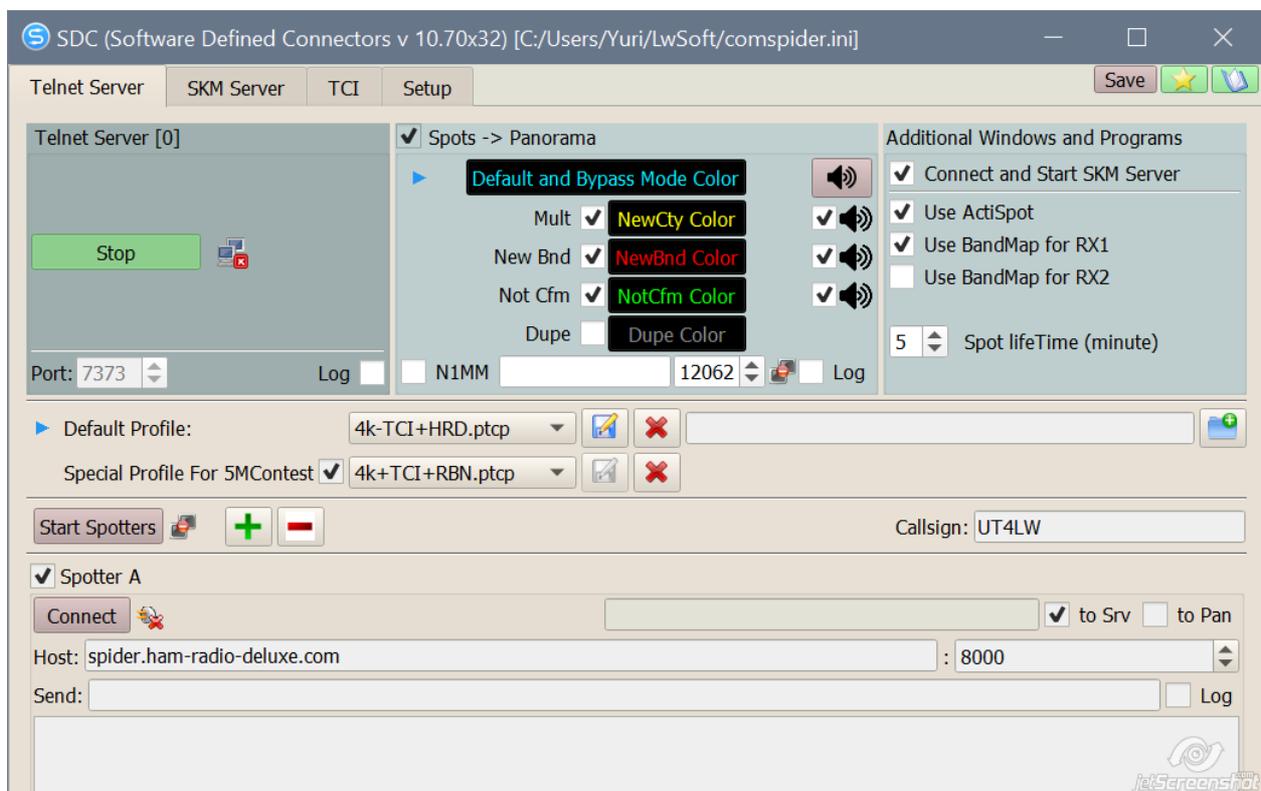
SDC,
 :



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Установки в программе SDC

SDC - TelnetServer



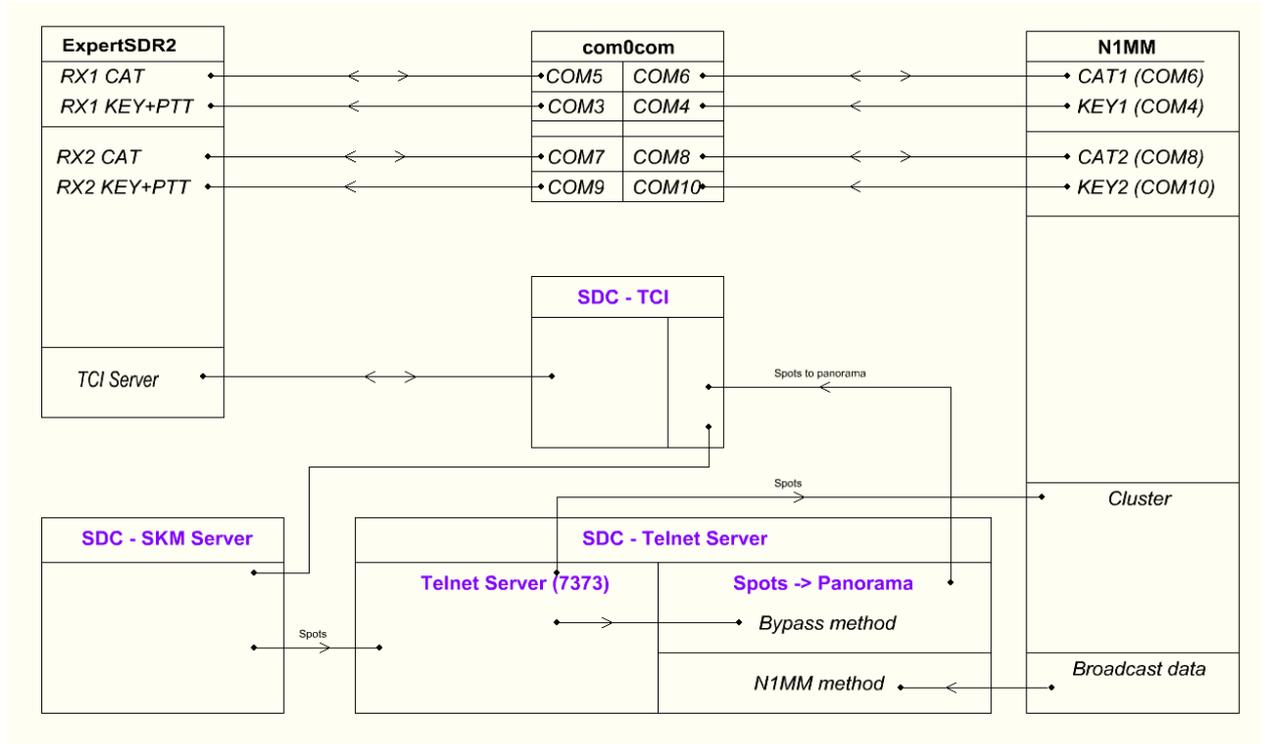
LogHX SDC-Telnet Server. "Telnet Server"
 LogHX.
 LogHX SDC-Telnet Server , "Profile".

Пример использования программы с N1MM

SDC

SDR N1MM.

:



CAT+PTT+CW

CAT, PTT, CW

: SO2V SO2R.

Виртуальные COM порты

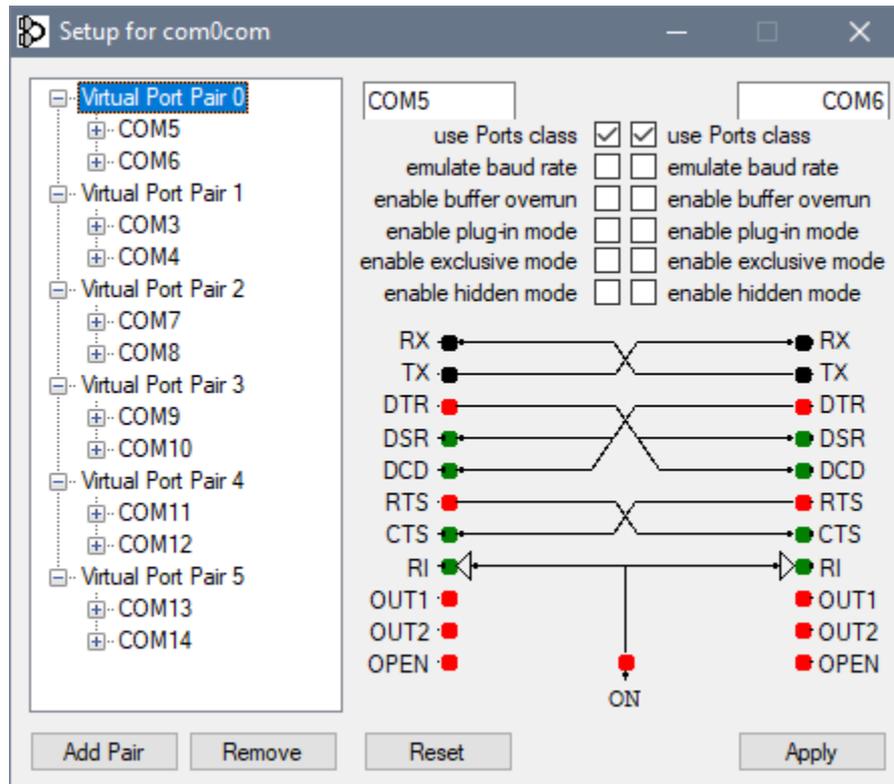
CAT

COM

com0com:

<https://code.google.com/archive/p/powersdr-iq/downloads>

: COM3-COM4, COM5-COM6, COM7-COM8, COM9-COM10.



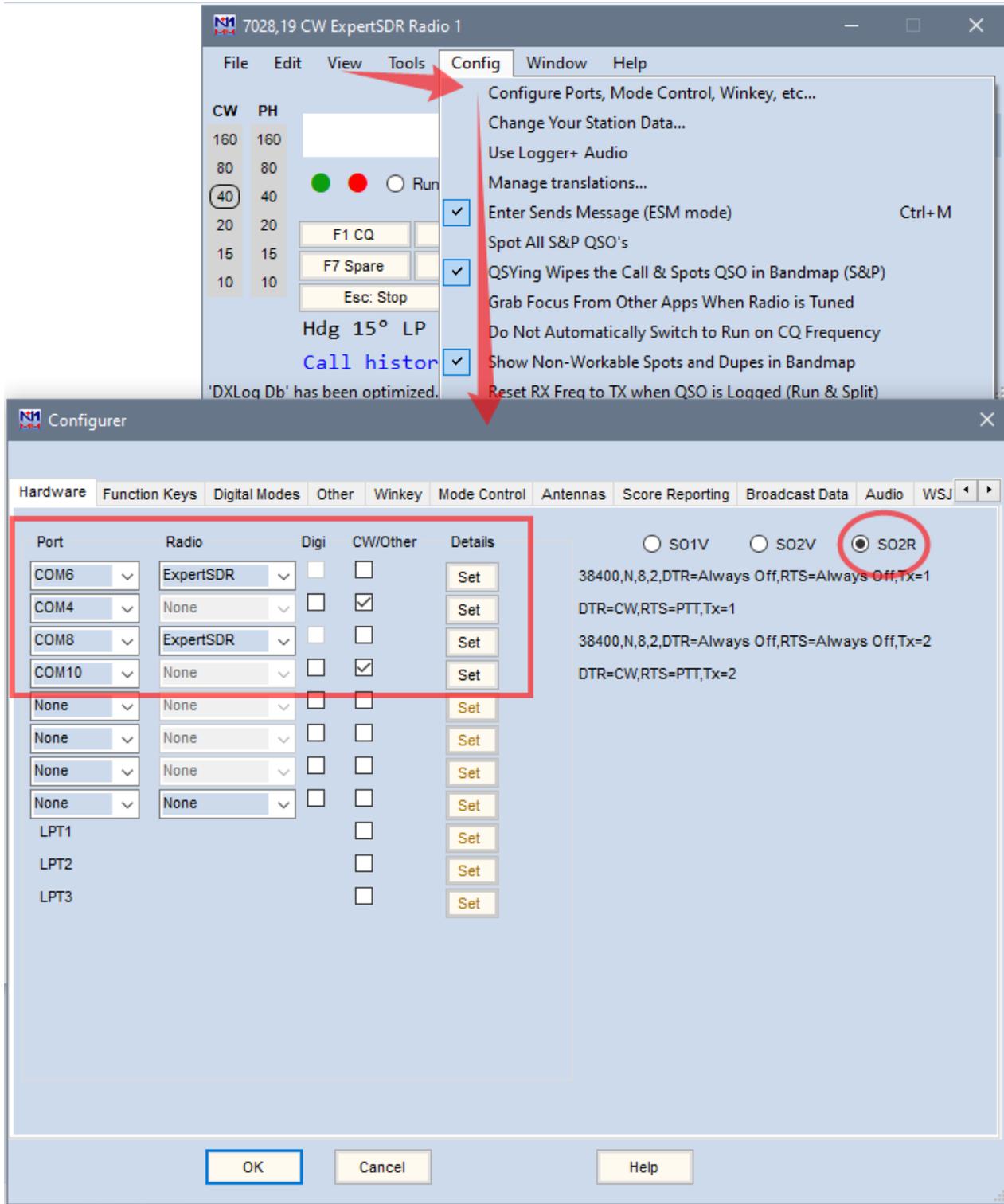
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Установки в N1MM

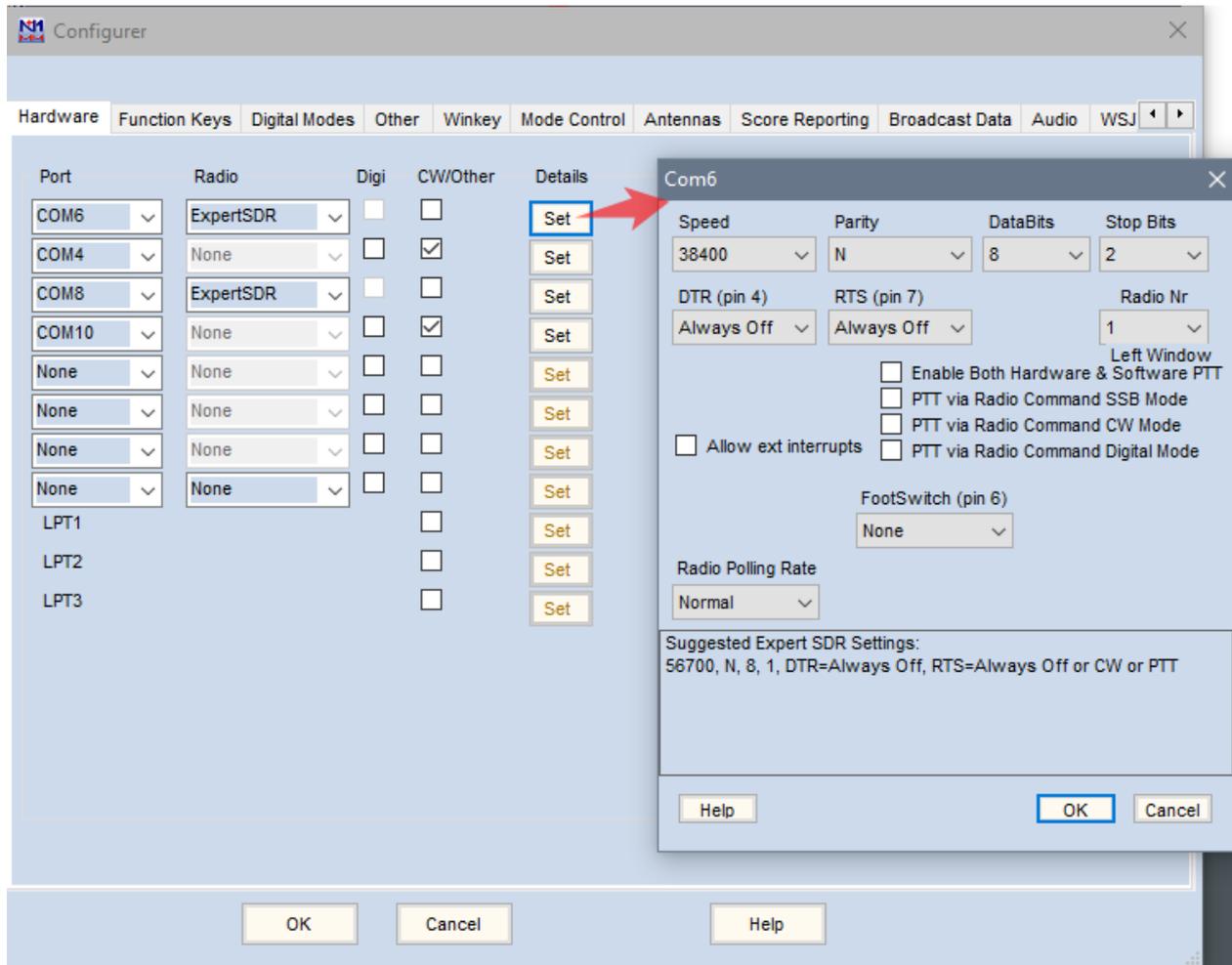
"Configurer"

"SO2R"

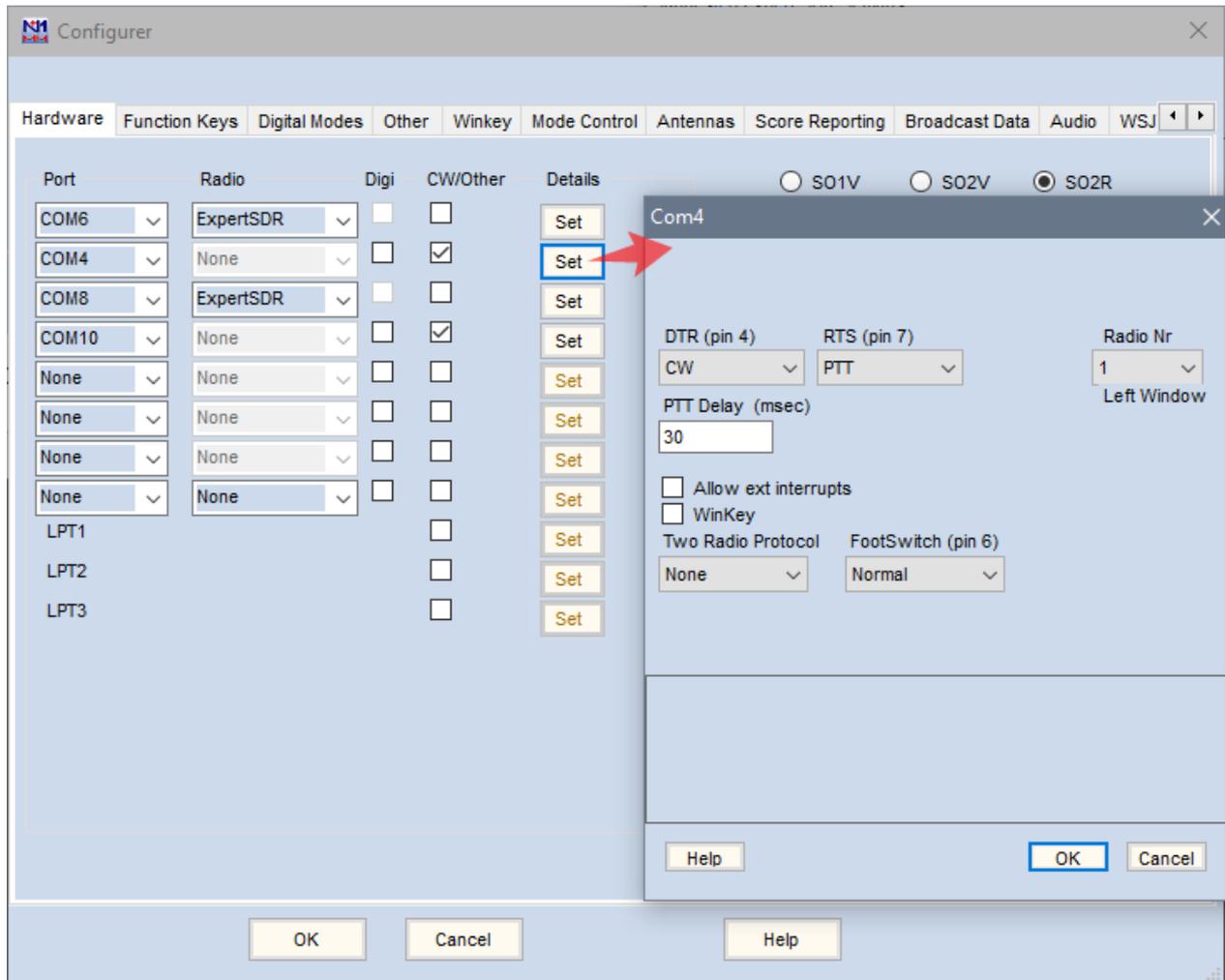
COM :



COM6, CAT "Set" 1- :



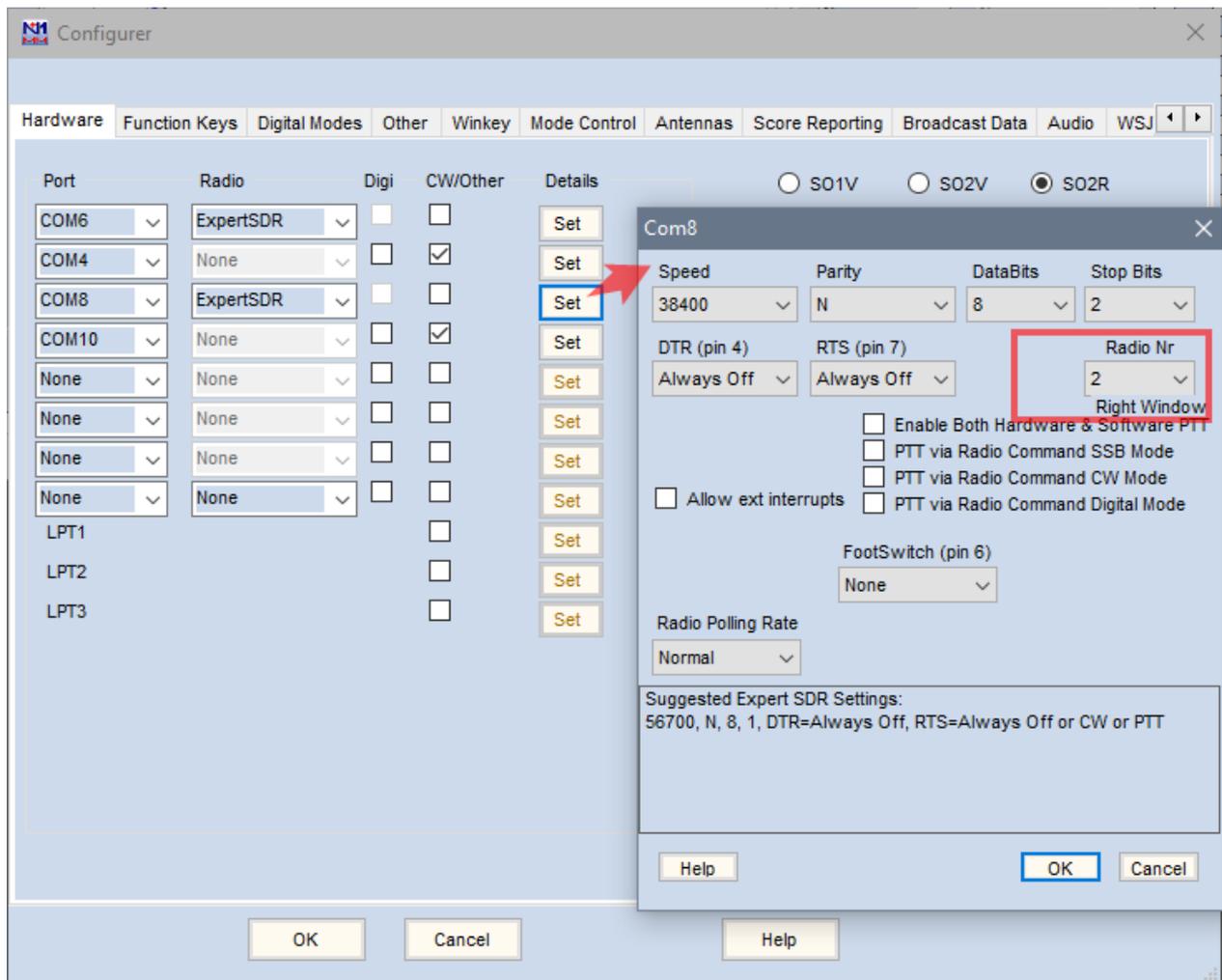
COM4, PTT CW 1- :



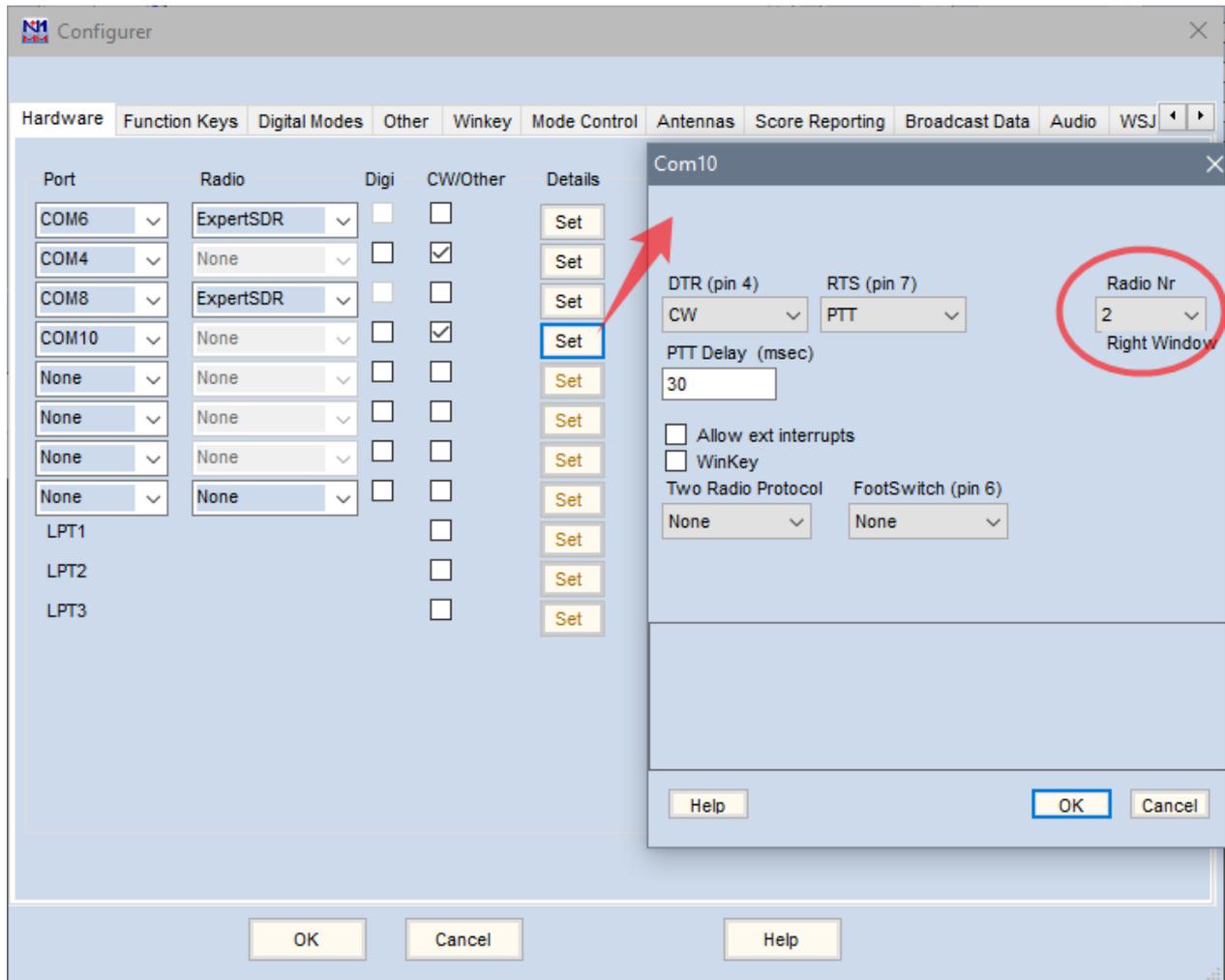
COM8, CAT

2-

:



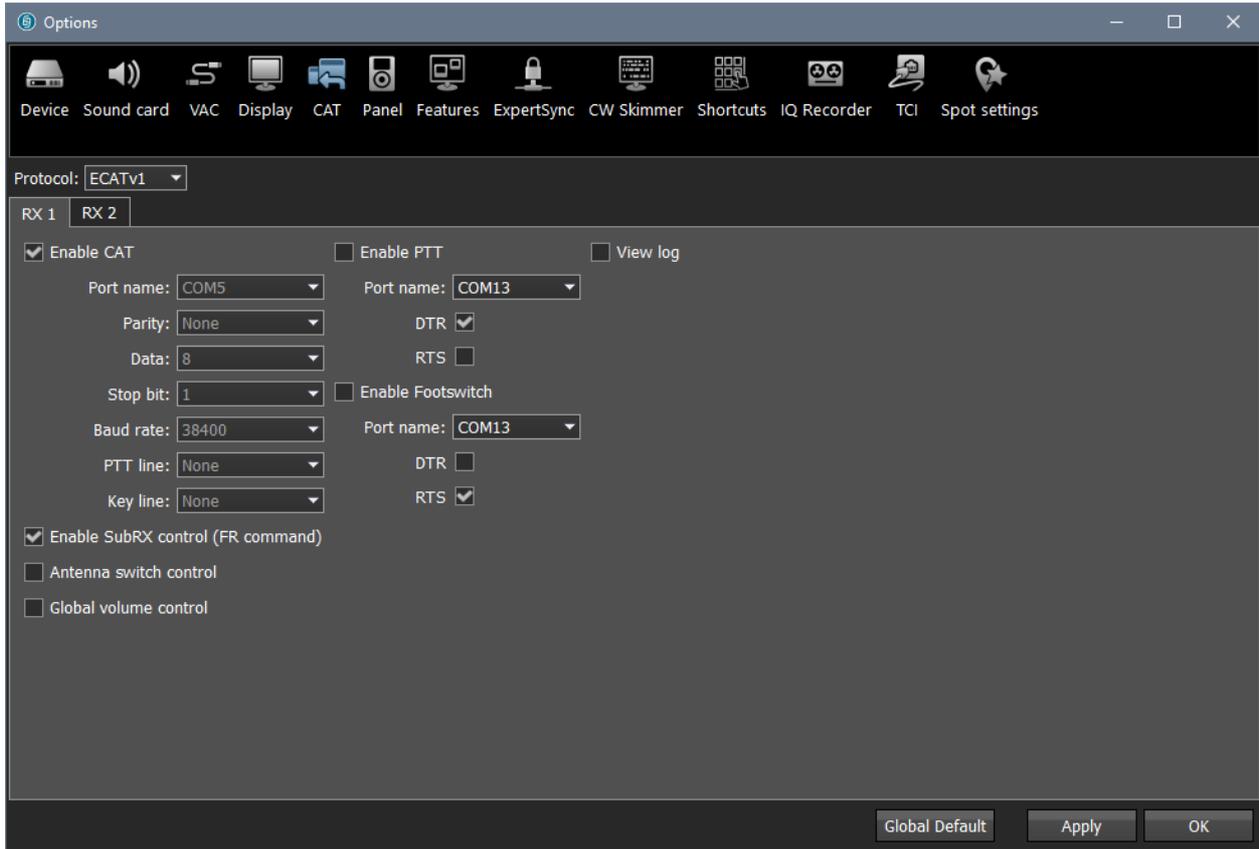
COM10:



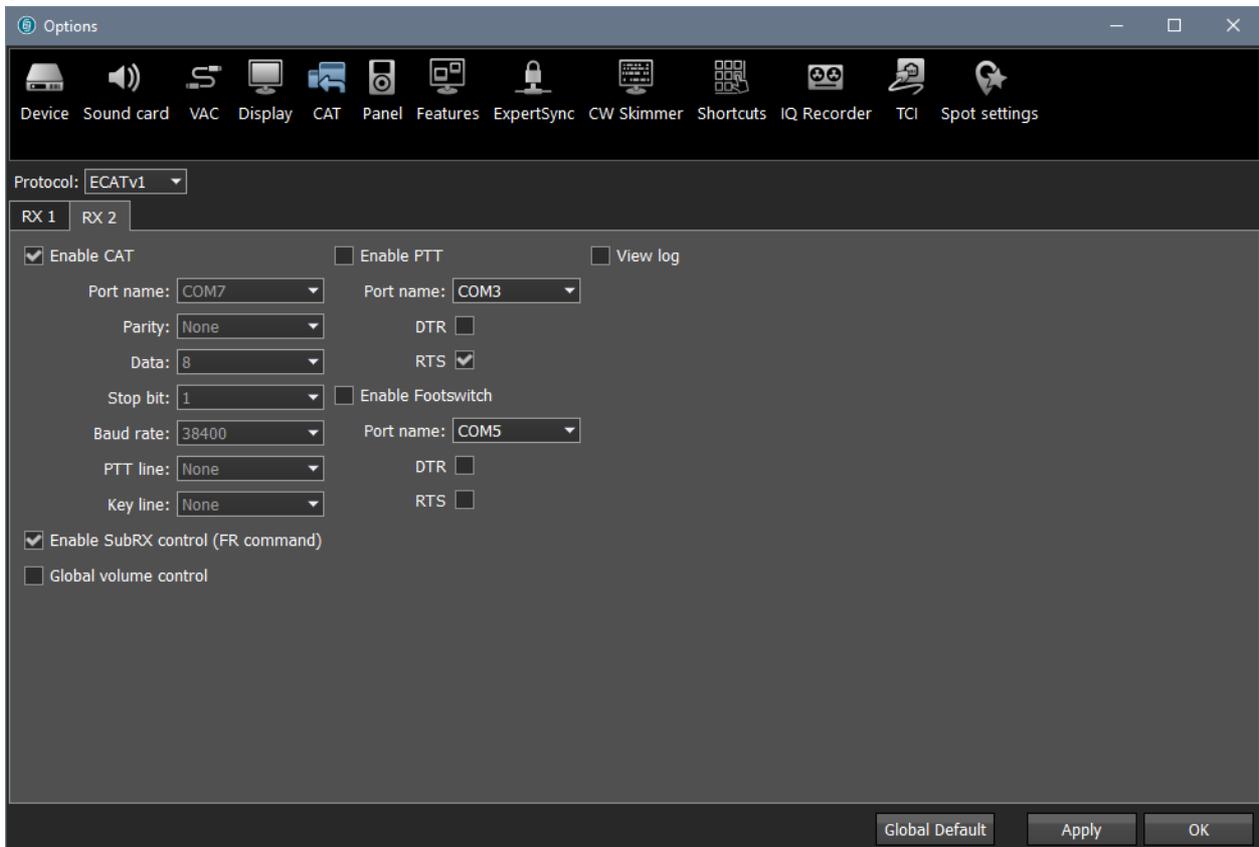
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Установки в ExpertSDR2

CAT 1- :



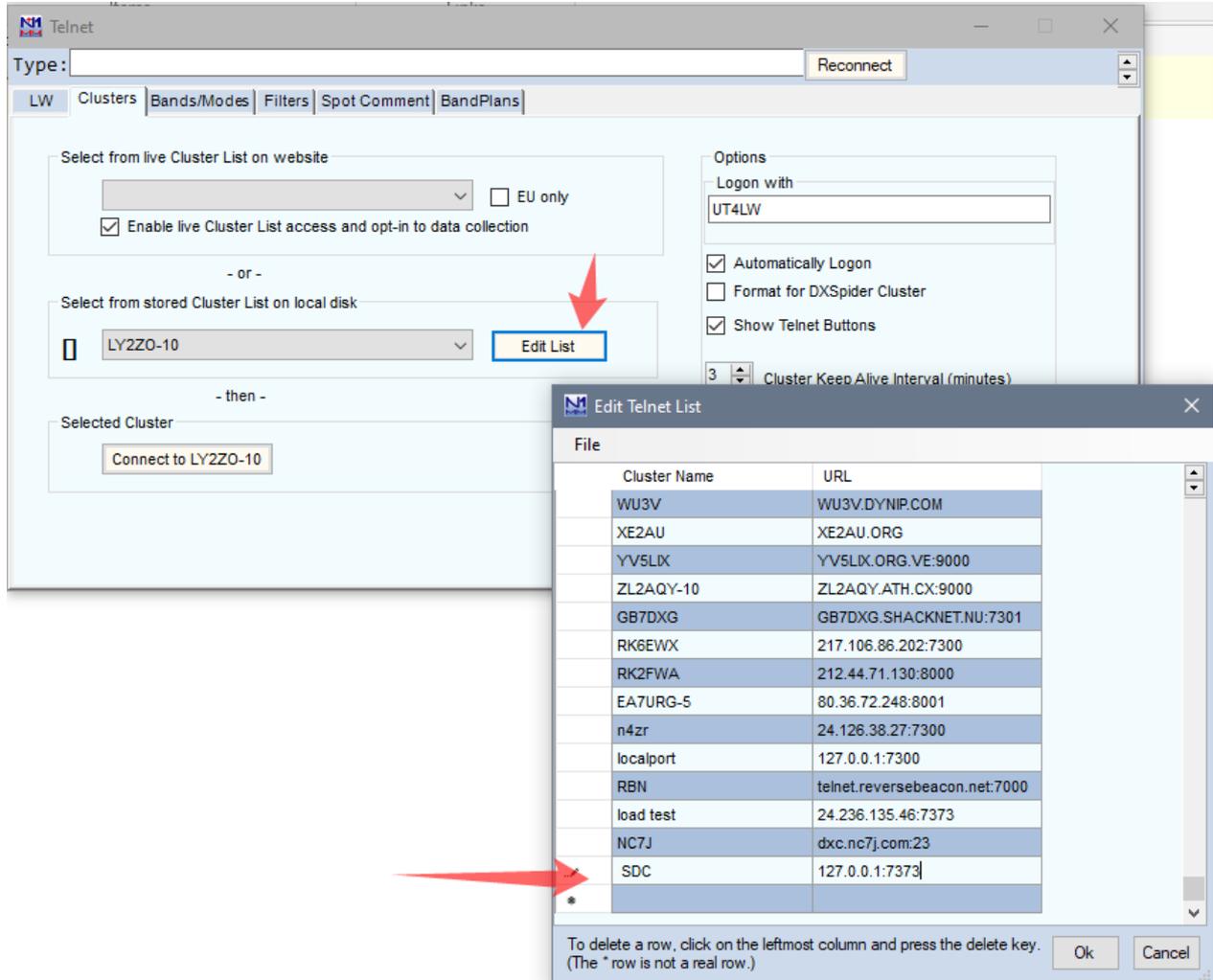
CAT 2- :



PTT+CW:

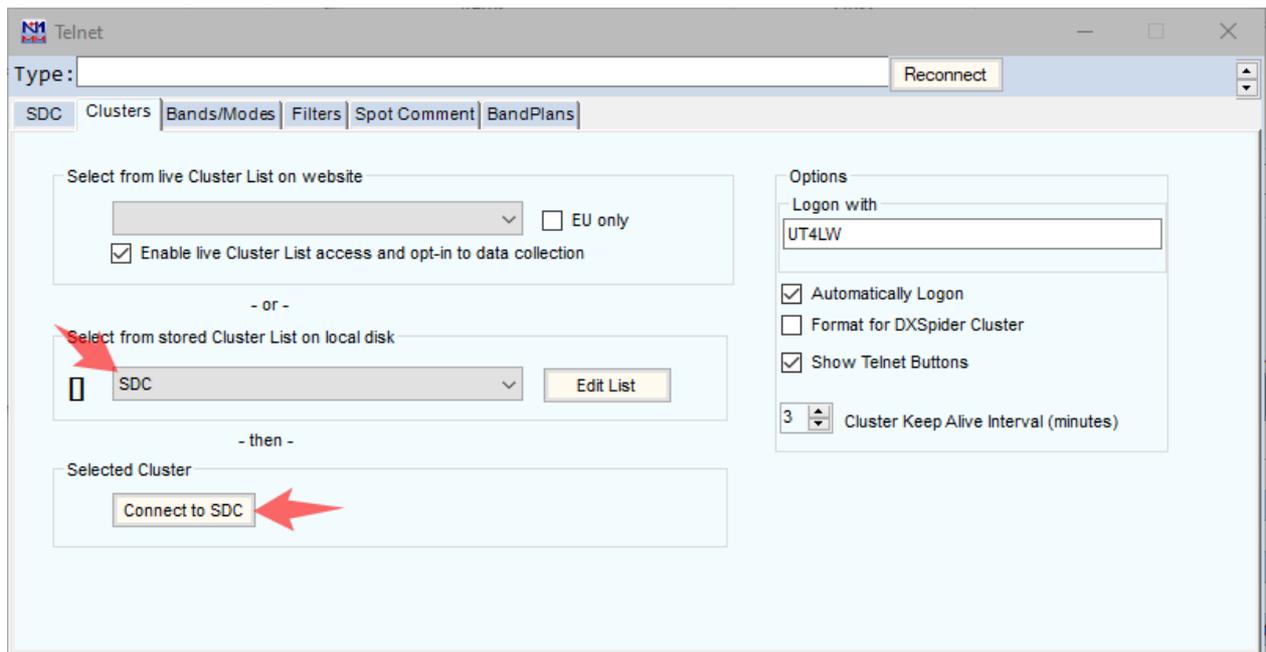
Установки в N1MM

N1MM "Window" "Telnet". "Telnet". "Cluster"
 "Edit List". "SDC", "URL" -
 127.0.0.1:7373, " " .



"SDC"

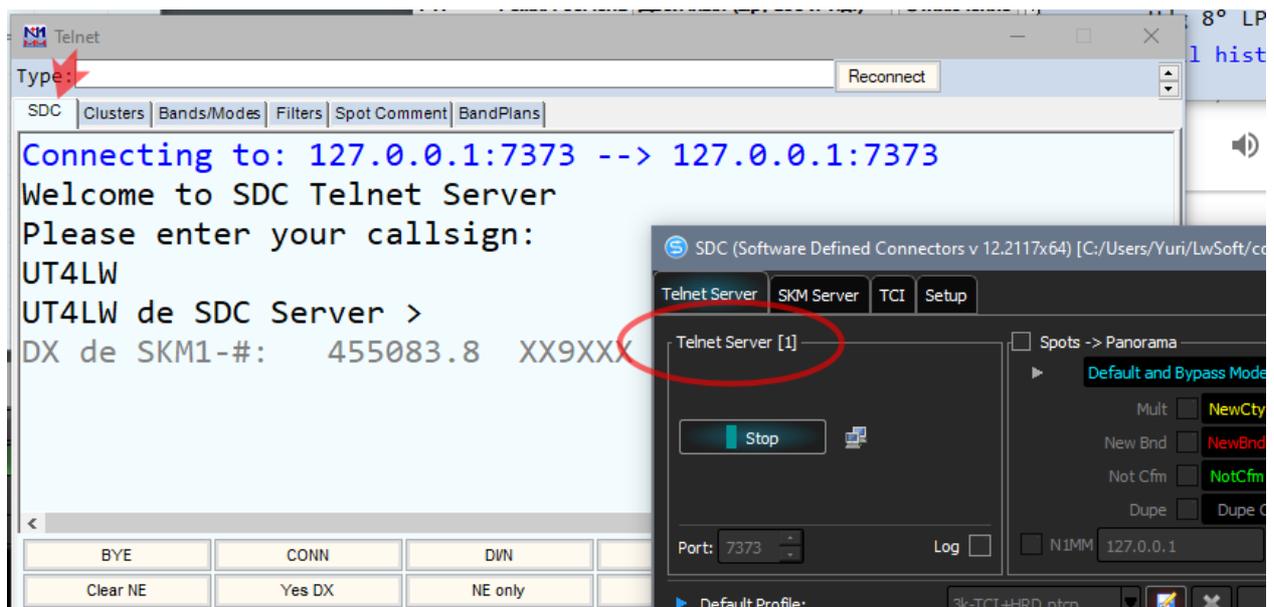
"Connect to SDC":



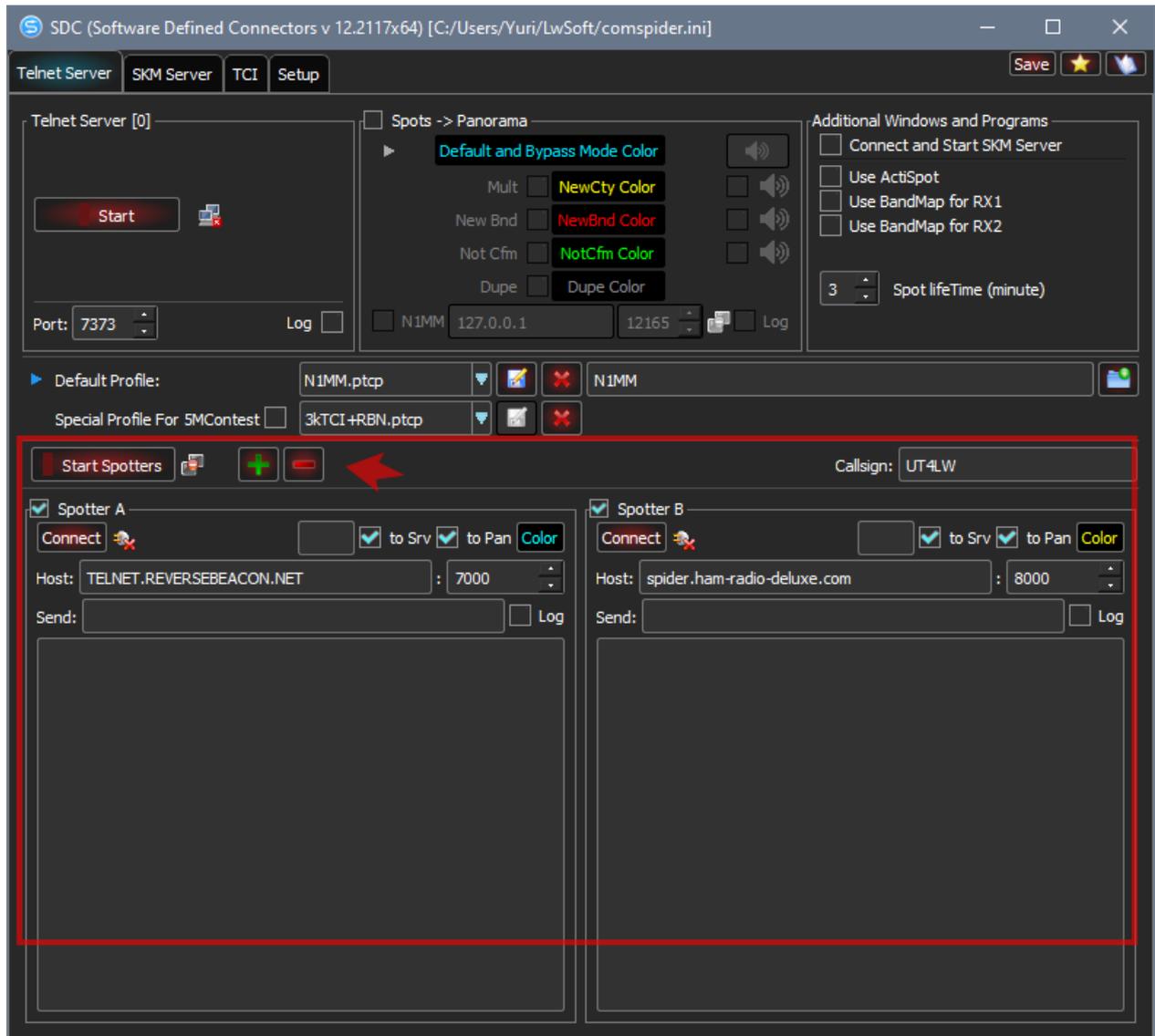
"SDC"

"SDC-Telnet Server"

[1] -

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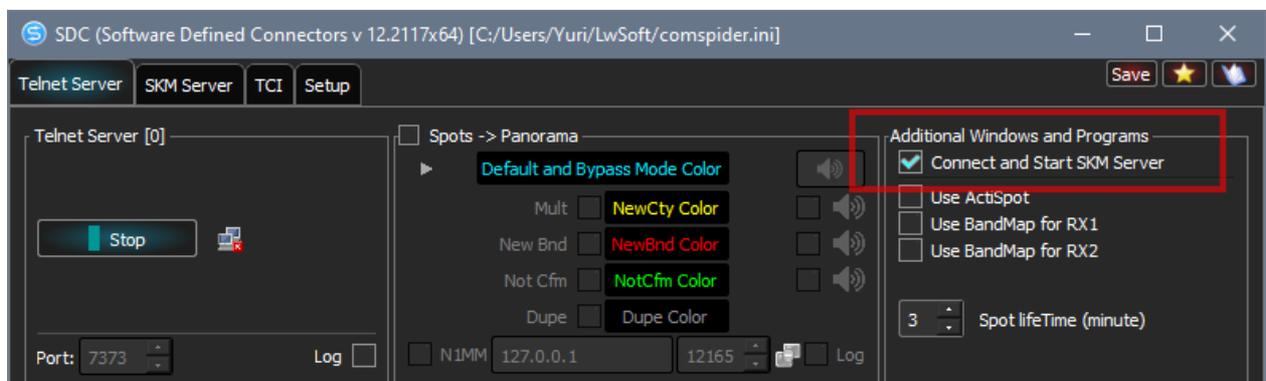
Добавление внешних кластеров в SDC-Telnet Server



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Подключение к SDC SKM Server

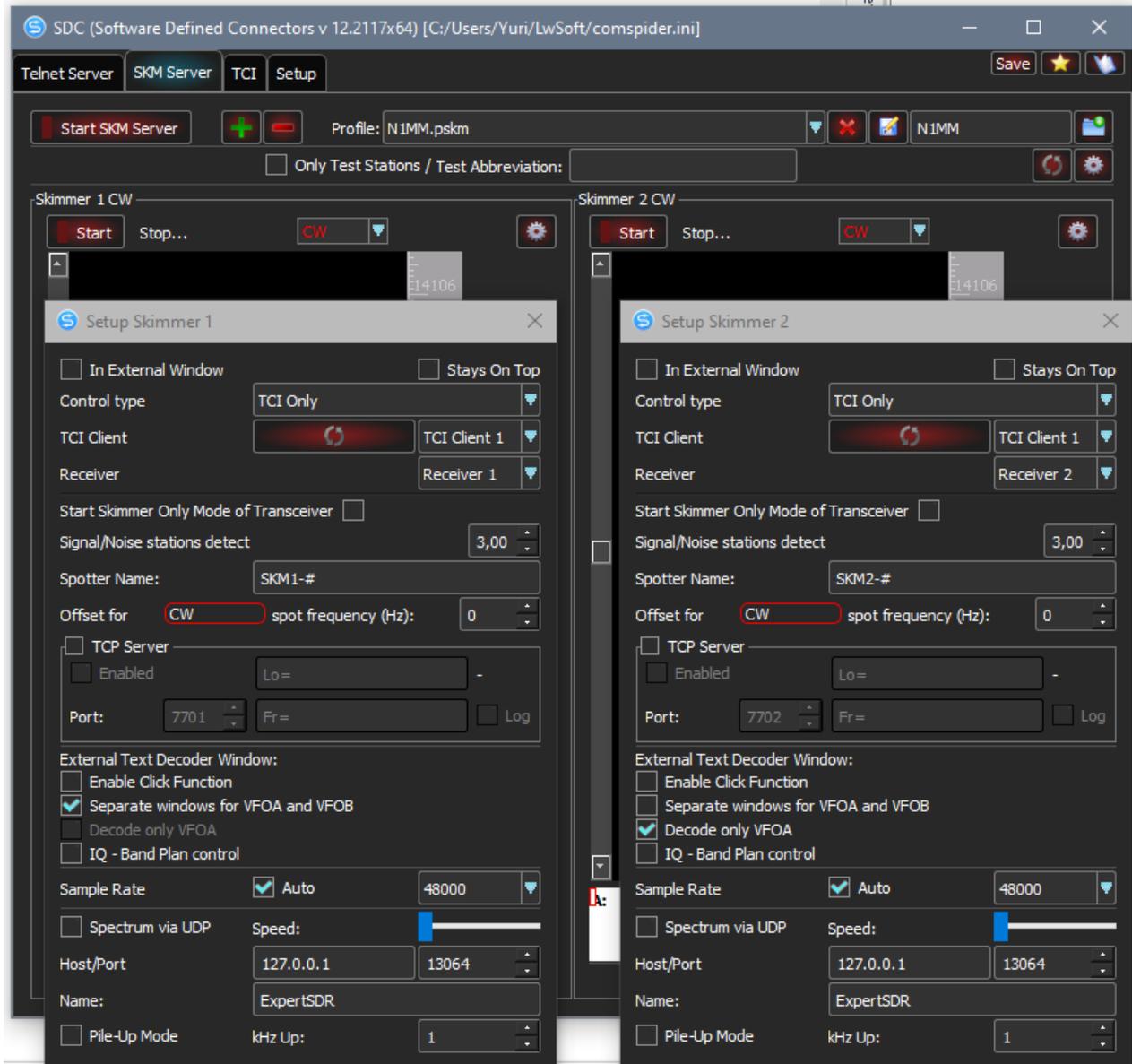
SDC Telnet Server "Connect and Start SKM Server". SKM-
 N1MM SDC, Telnet Server
 Server ::



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Настройка SDC SKM-Server

SDC-SKM Server ("+")
"N1MM".

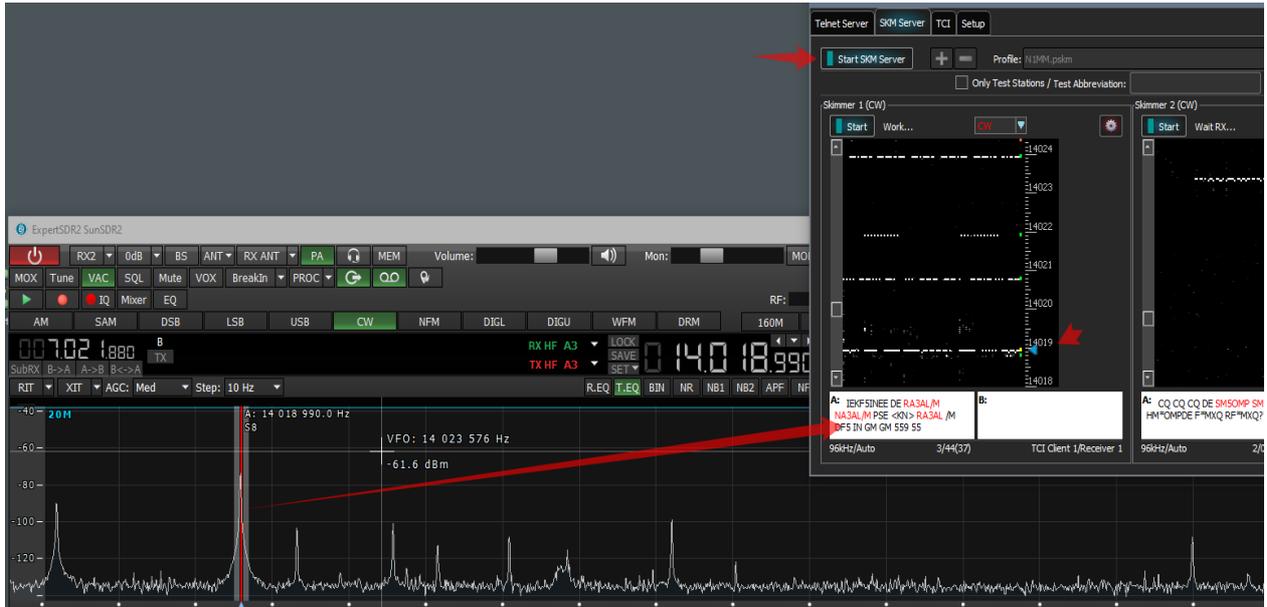


Server].

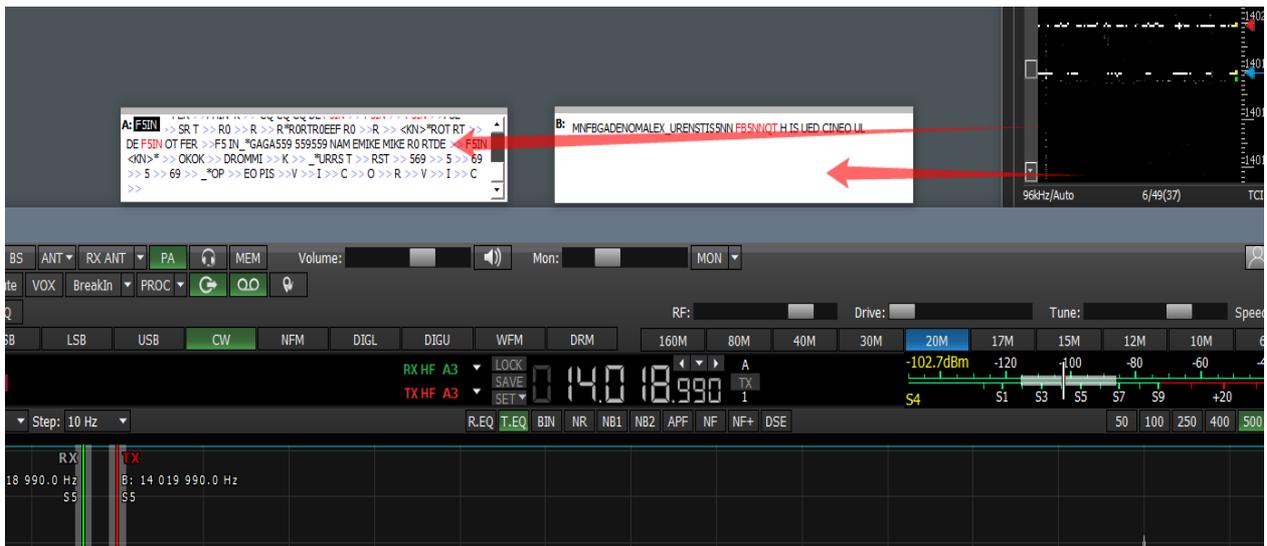
CW

1

SDC-SKM Server -> [Start SKM
"A:"



A, B



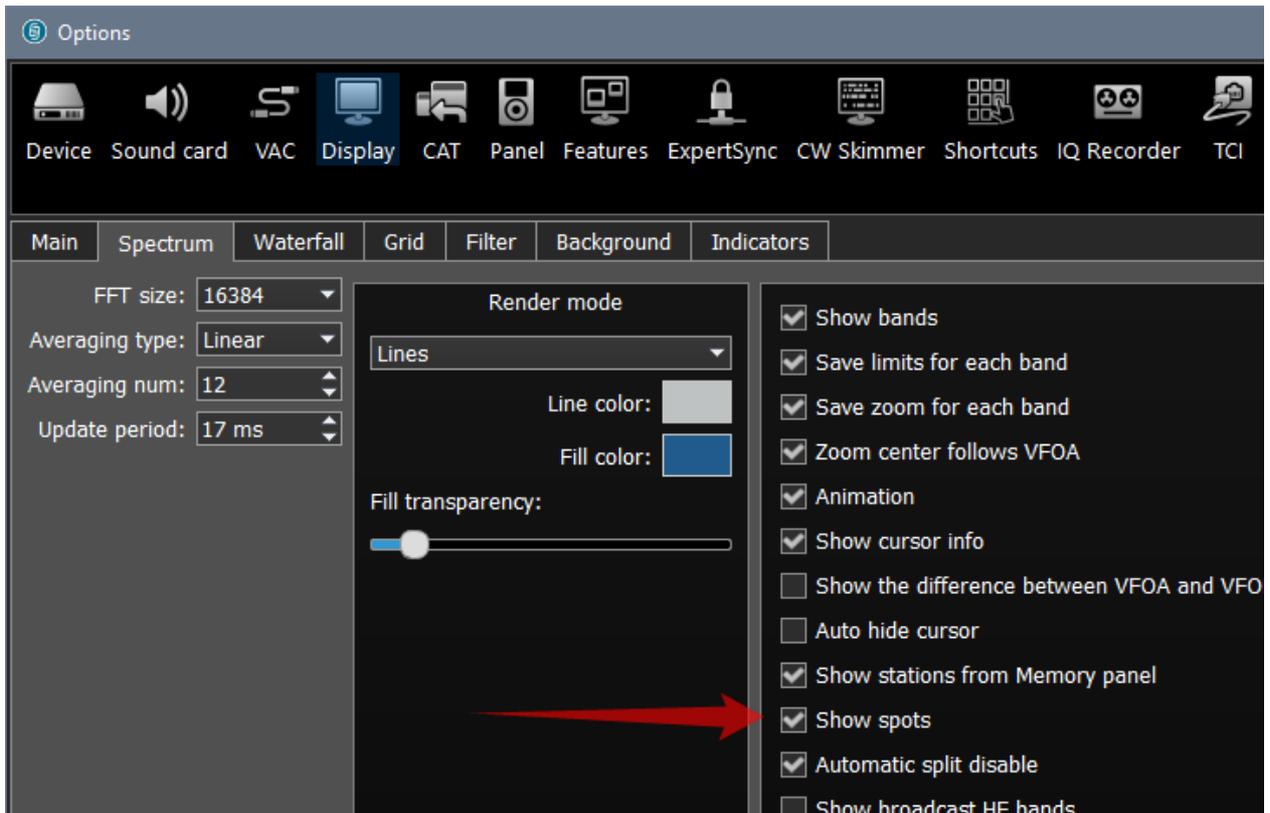
[SKM Server.](#)

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Передача спотов на панораму ExpertSDR2

ExpertSDR2

"Show Spots"



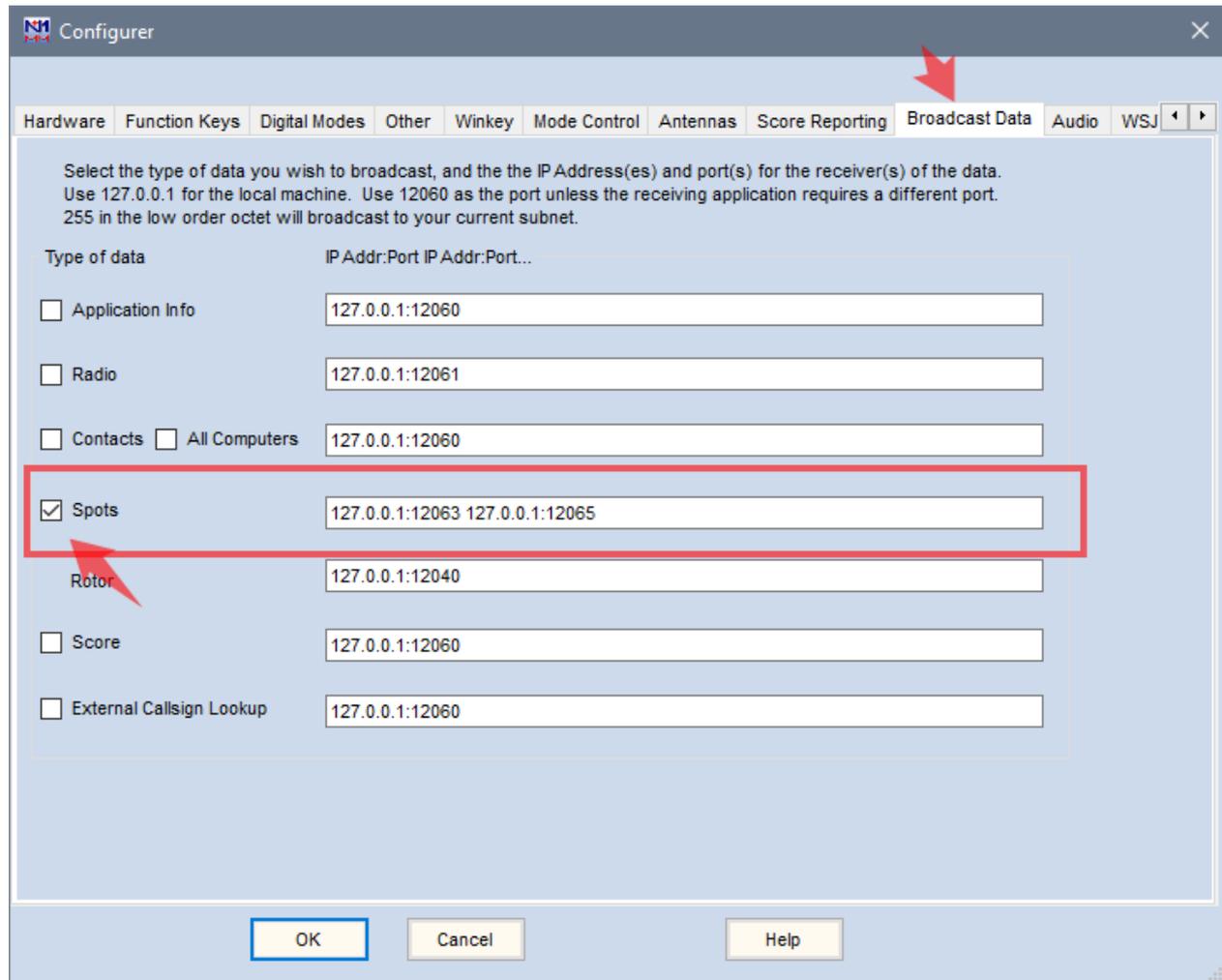
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Установки в N1MM

N1MM,

"Broadcast Data",

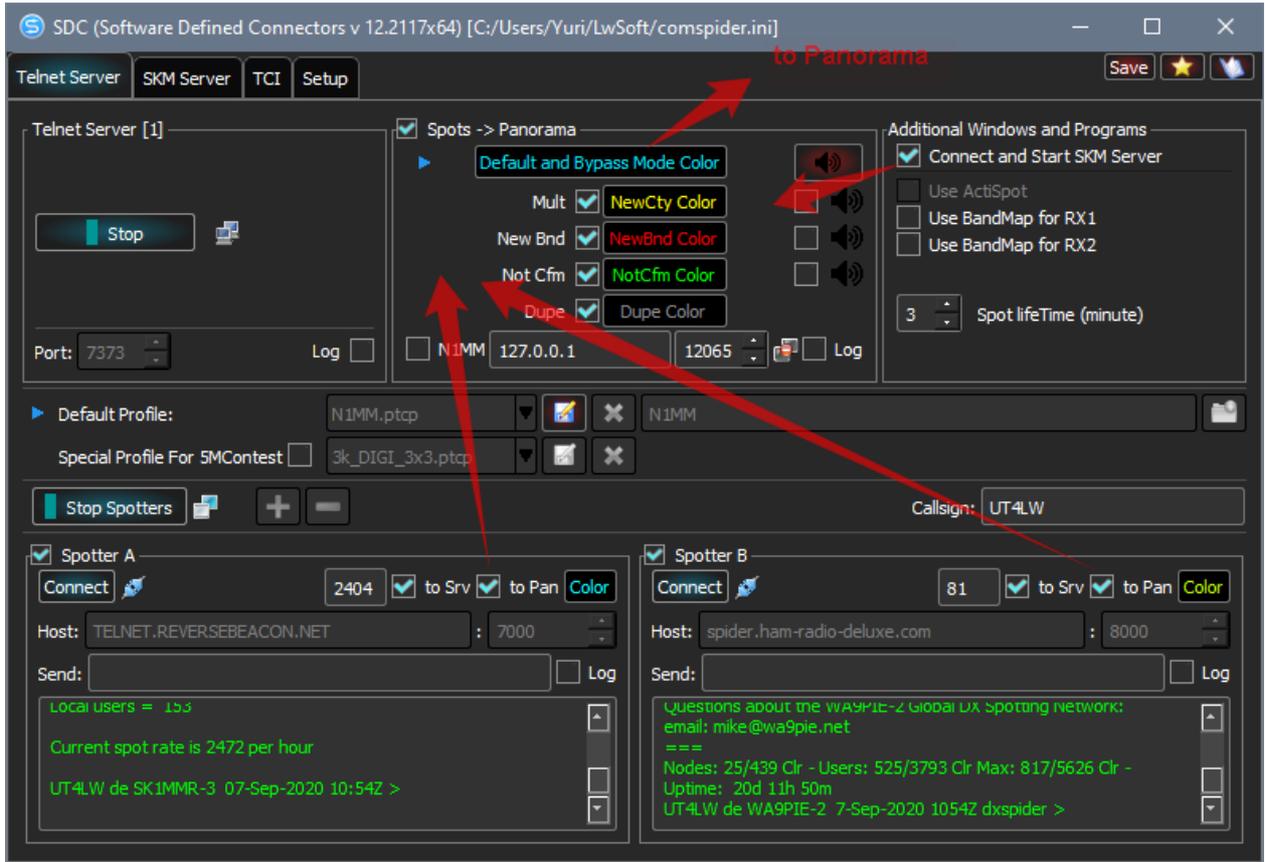
"Spots":



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Установки в программе SDC

- 1 - (N1MM (bypass). ExpertSDR2.
 ("to Pan") "Spots -> Panorama"
 ().

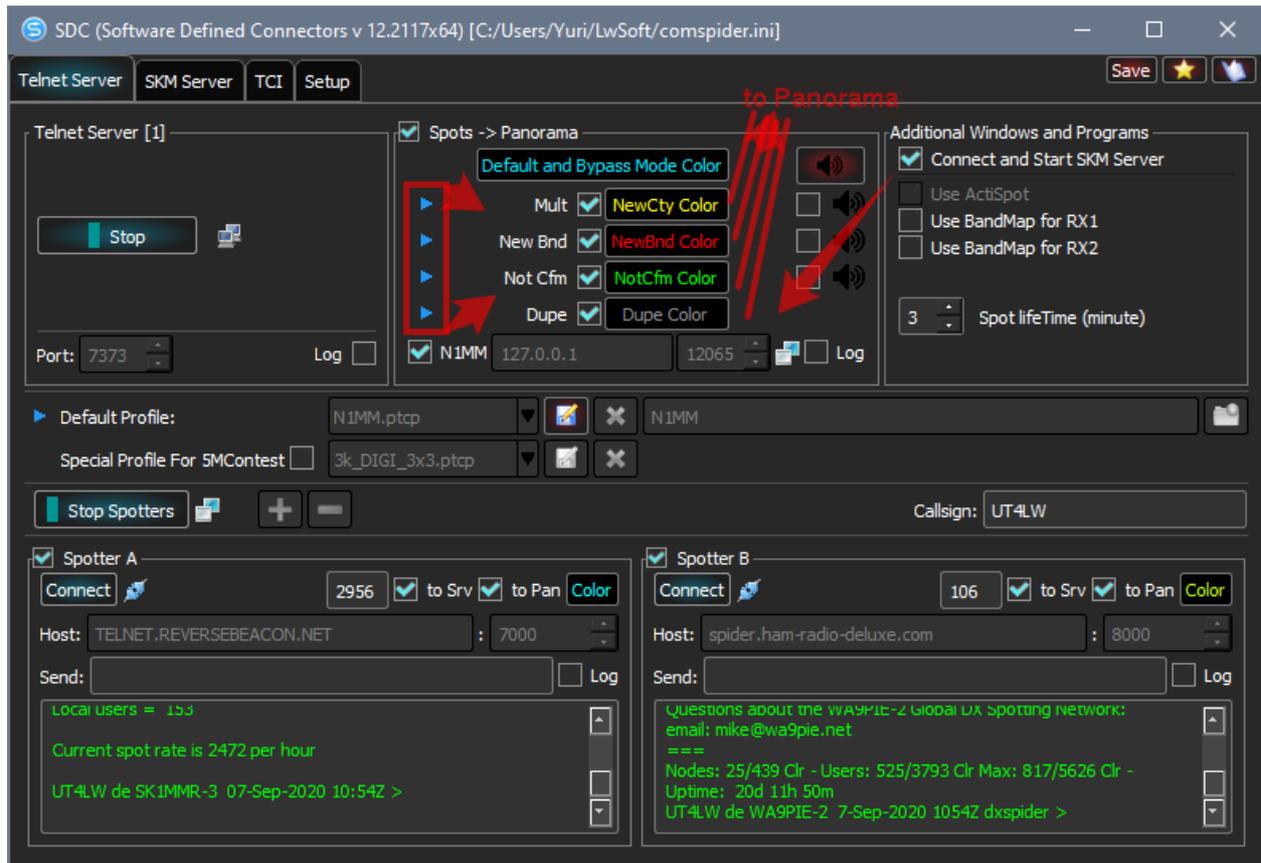


2 - "N1MM". N1MM. N1MM N1MM

30 "Mult...Dupe" - , 4 "bypass".

N1MM, SDC,

"Mult"..."Dupe",



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Focus Helper

"Focus Helper"

[TCI.](#)

N1MM

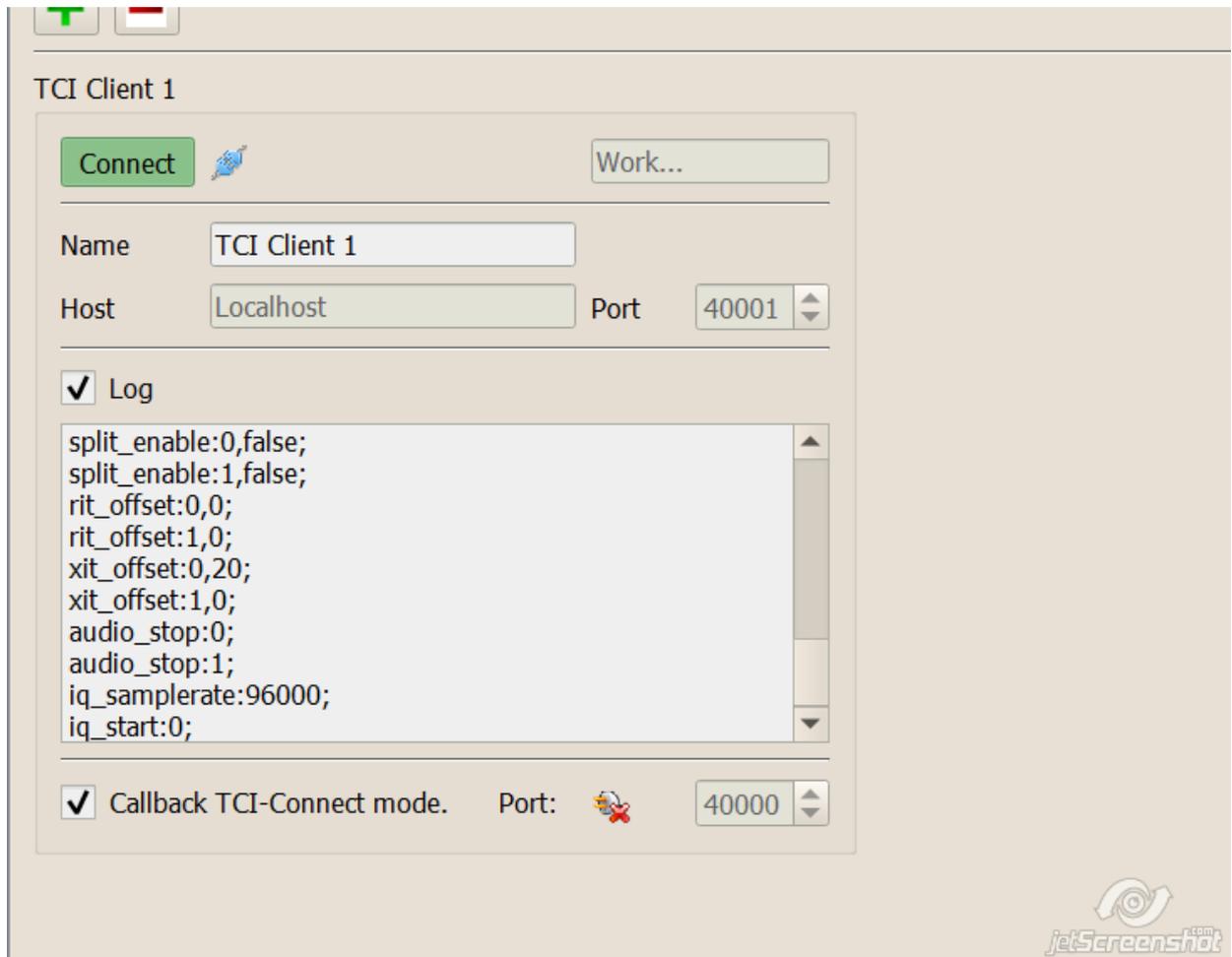
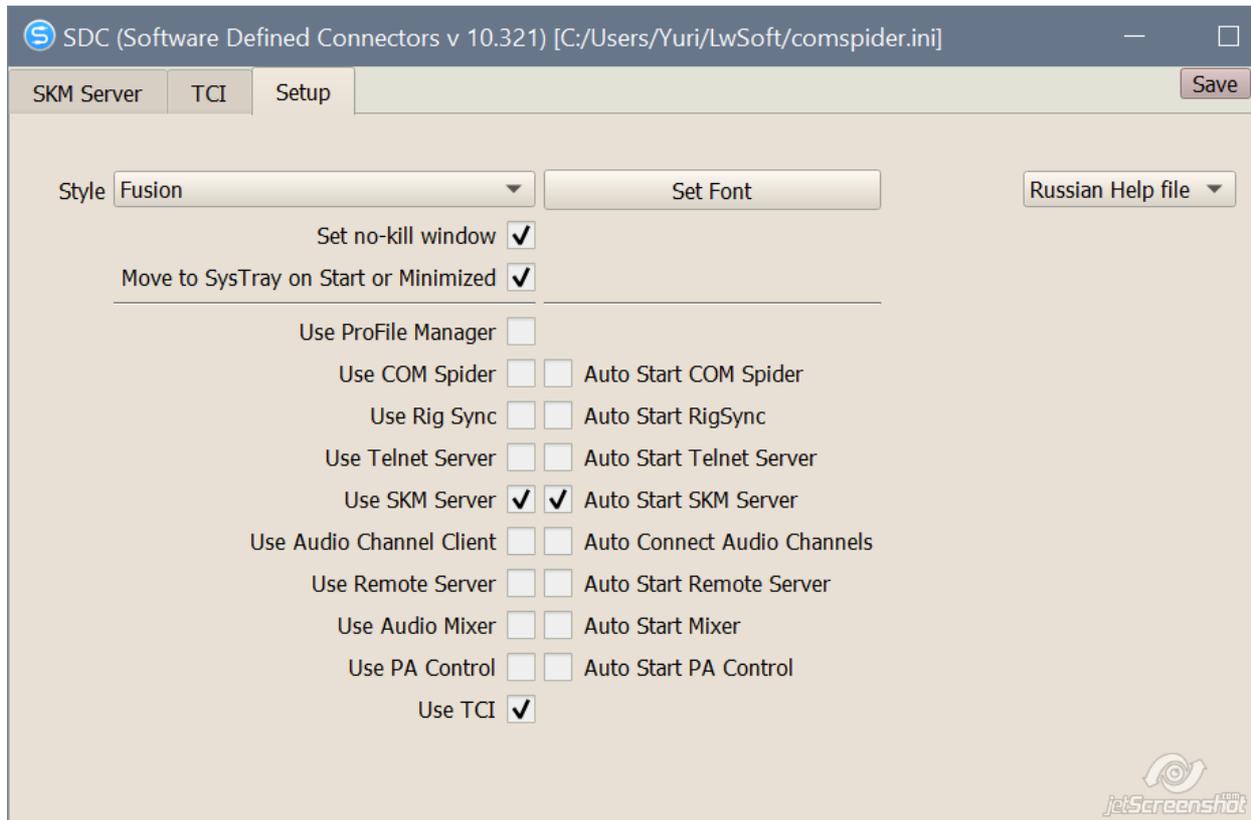
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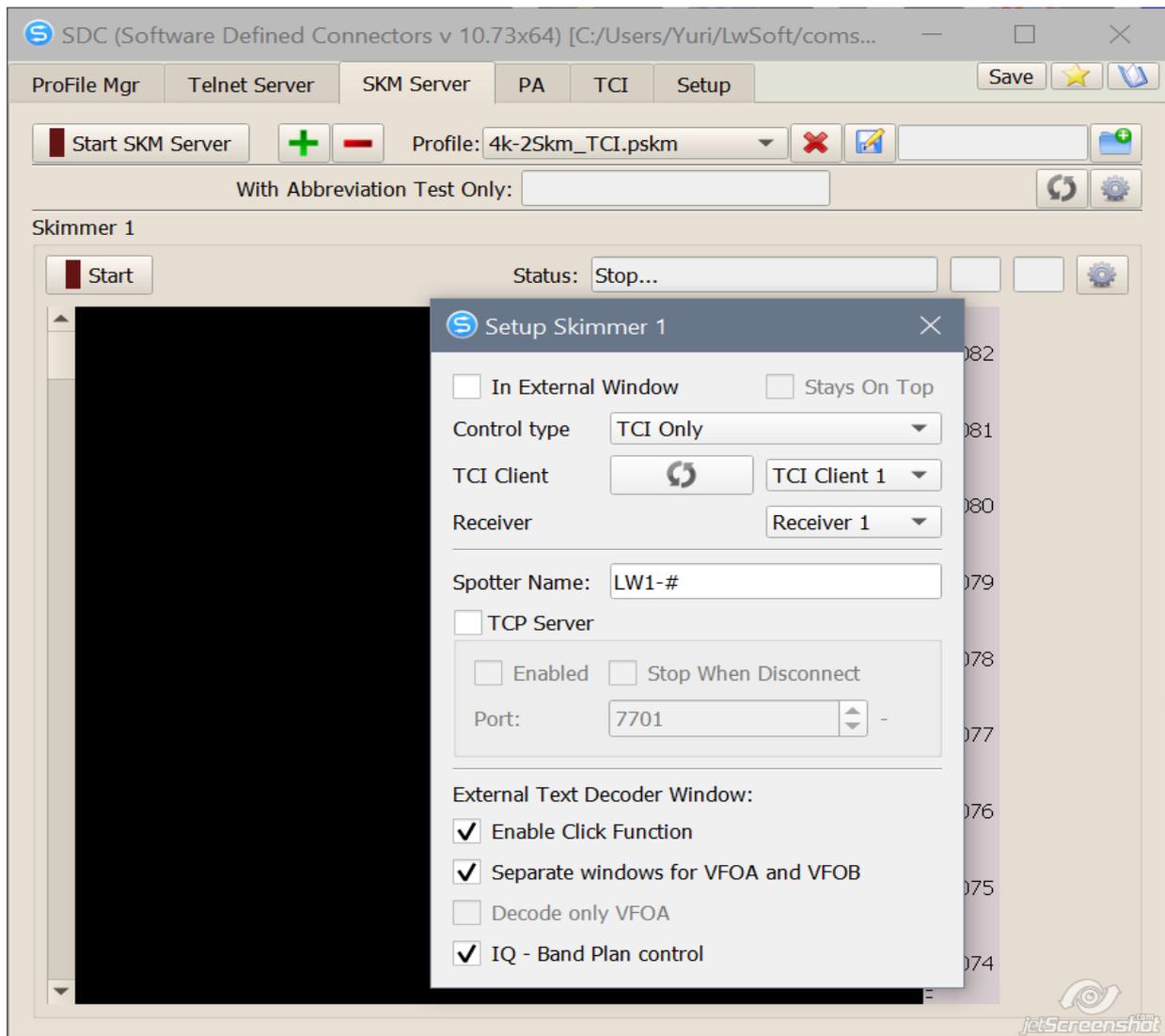
Пример использования SKM Server без программы лог

SDC

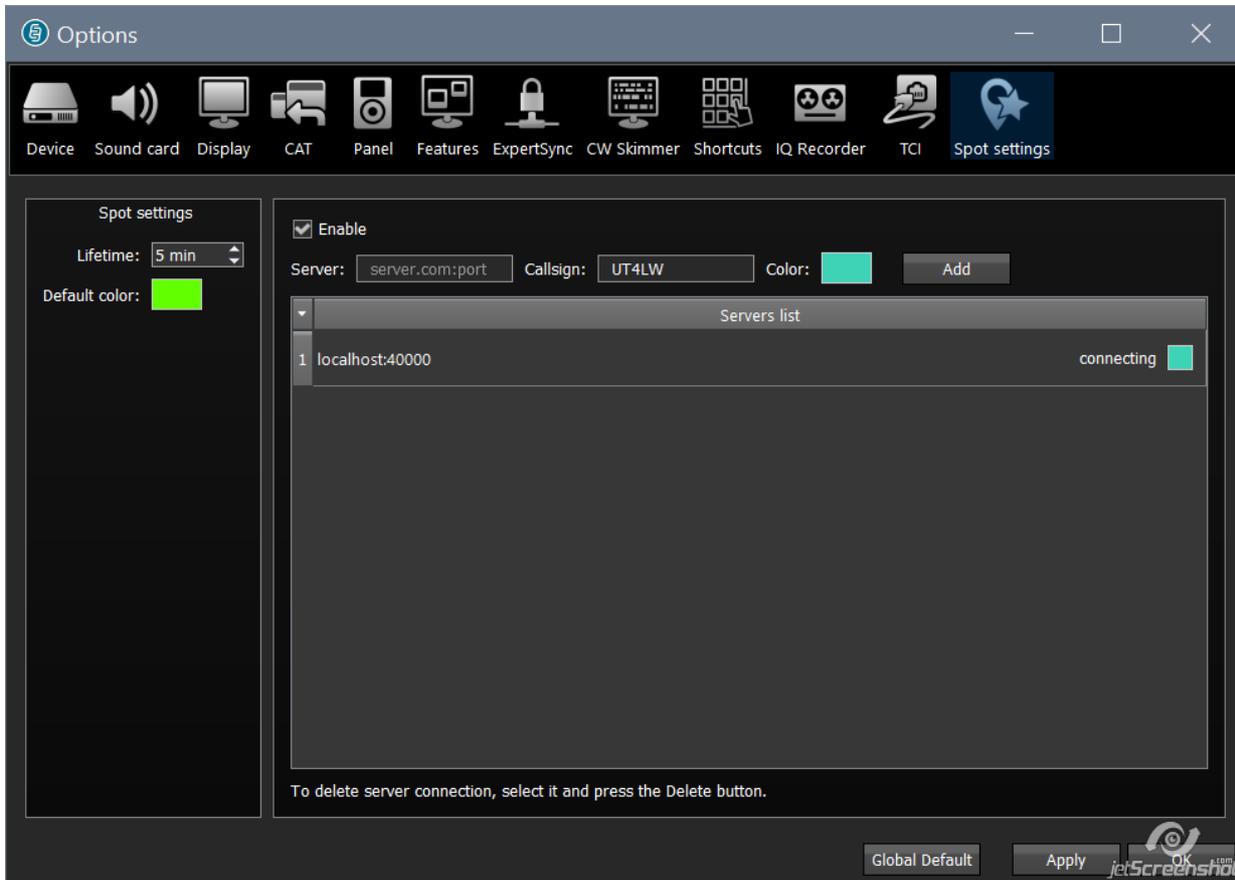
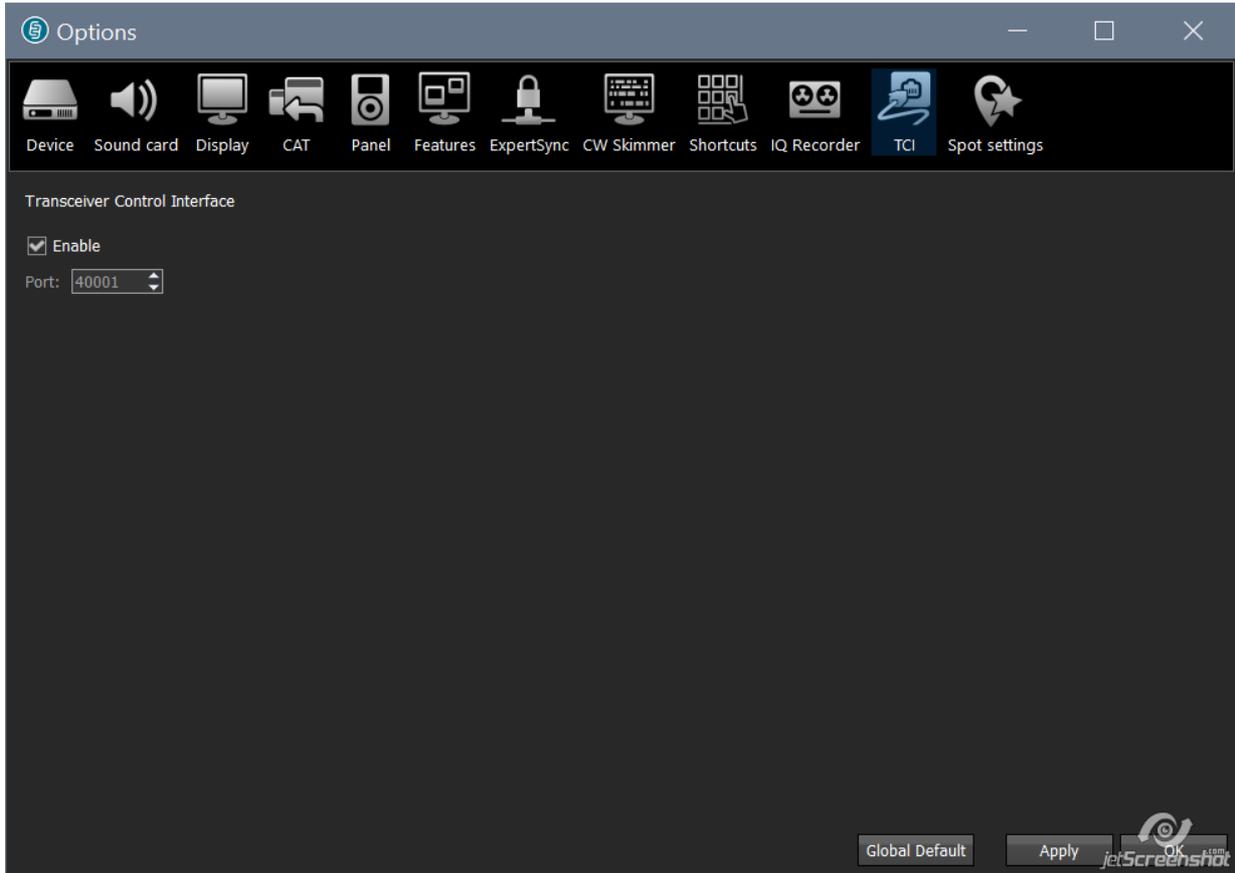
CW

SDC:





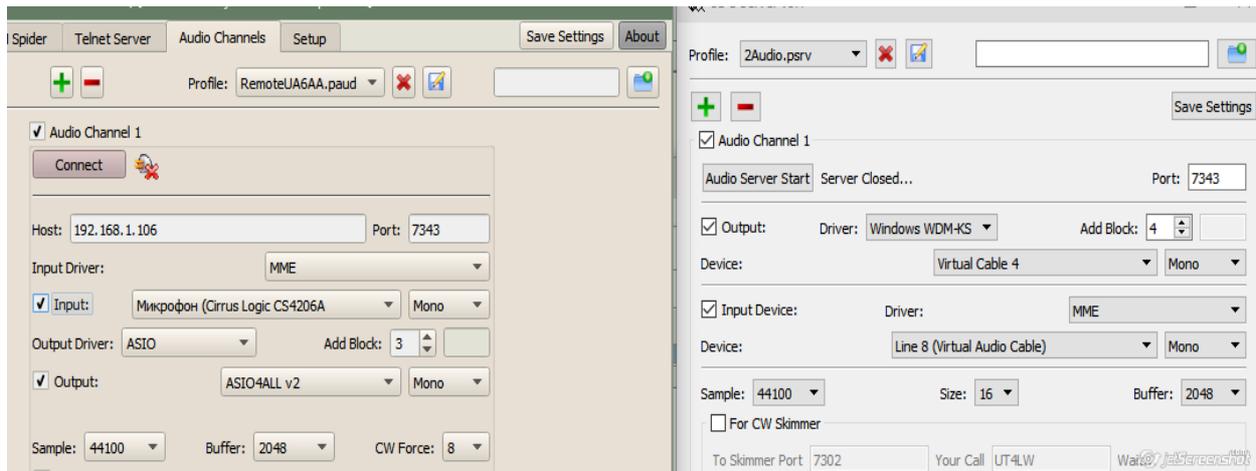
ExpertSDR2:



Пример создания удаленного рабочего места

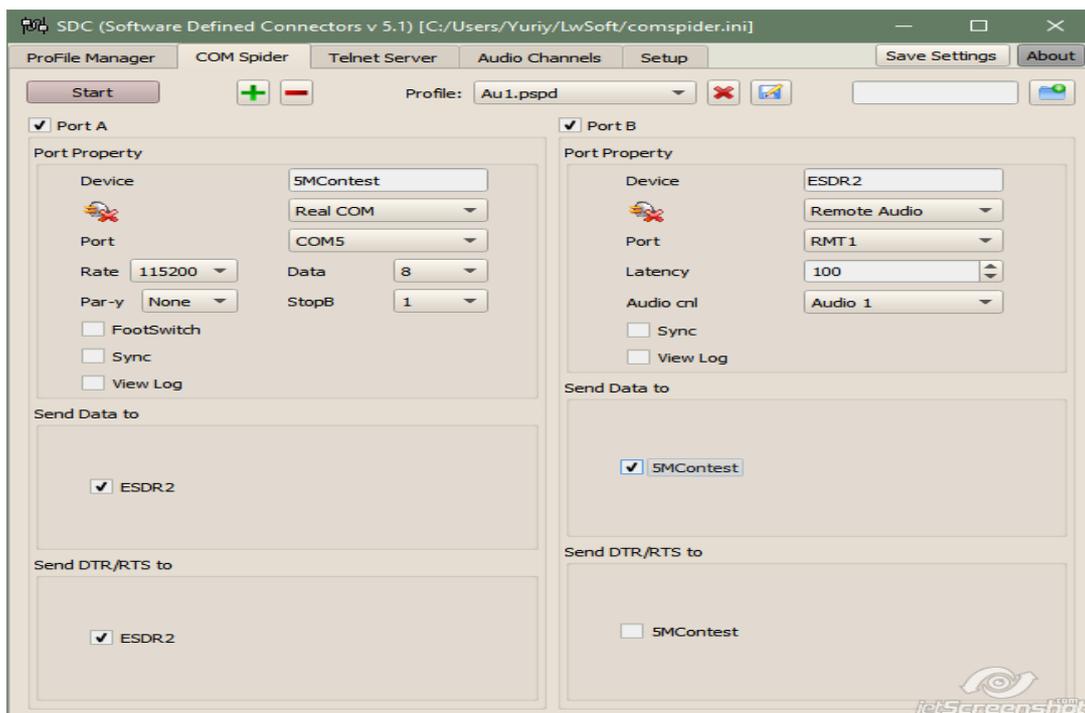
TeamViewer. ExpertSDR2. SunSDR2.

Звуковые каналы



«SC» ExpertSDR2.

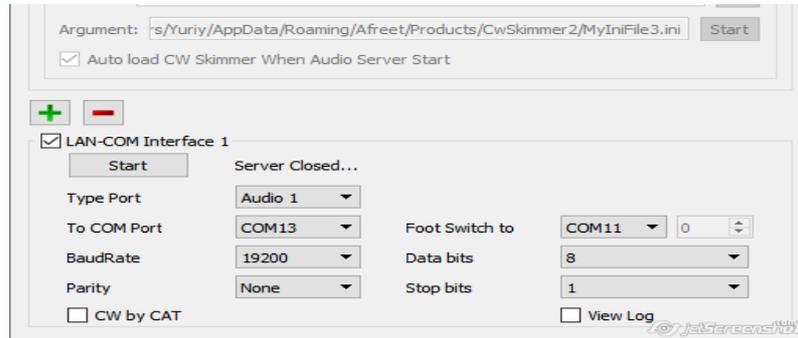
COM порт «дома»



«Remote Audio»

«Audio 1».

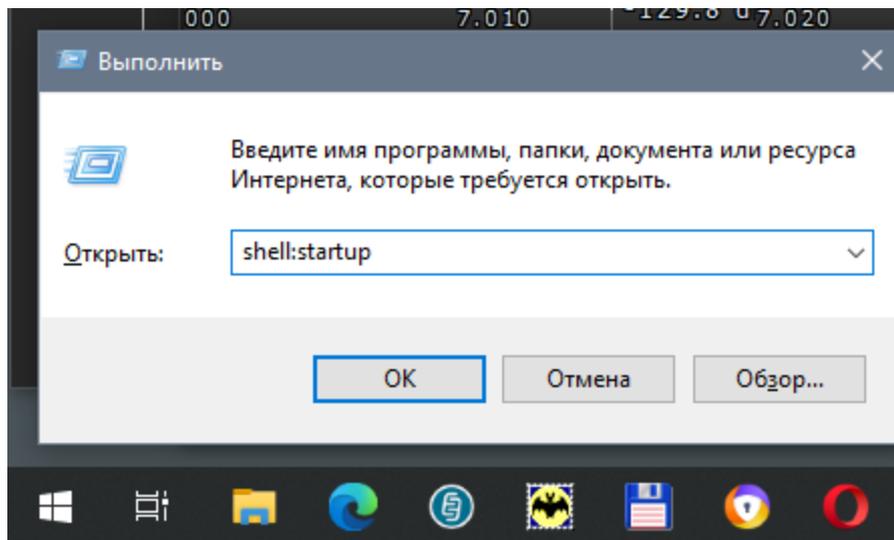
COM порт «там»



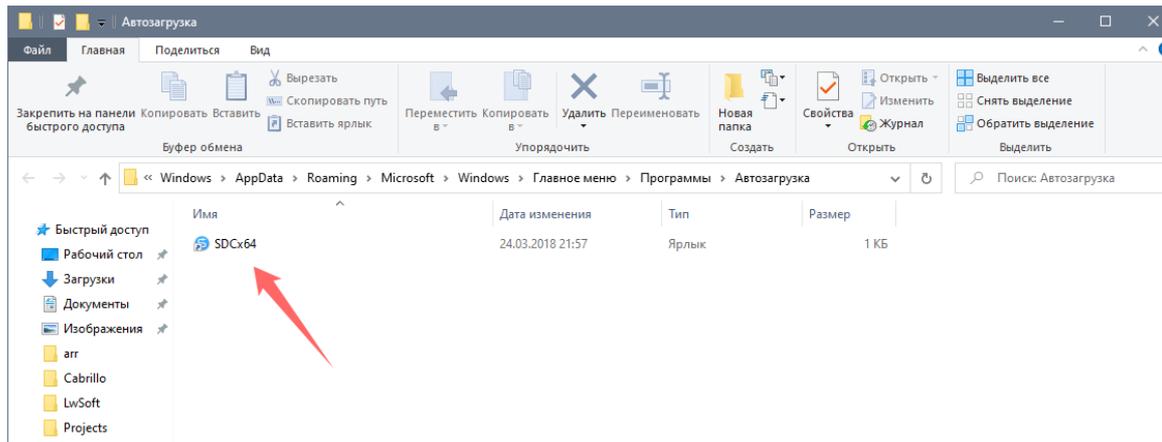
(11).

Автозагрузка программы SDC (Windows)

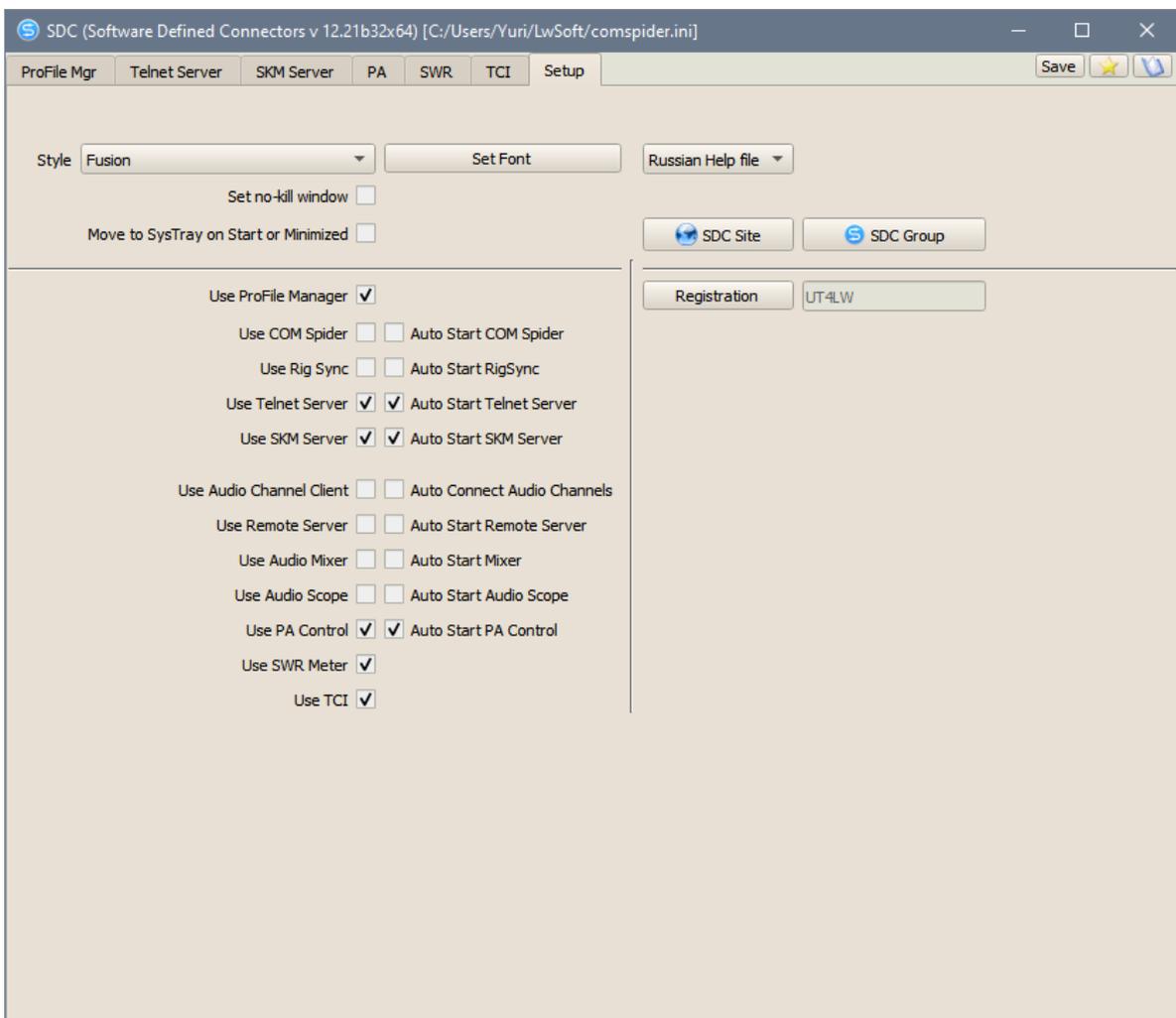
Ok: Windows+R, " " **shell:startup**



" " SDC.



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Style –
Set no-kill window –

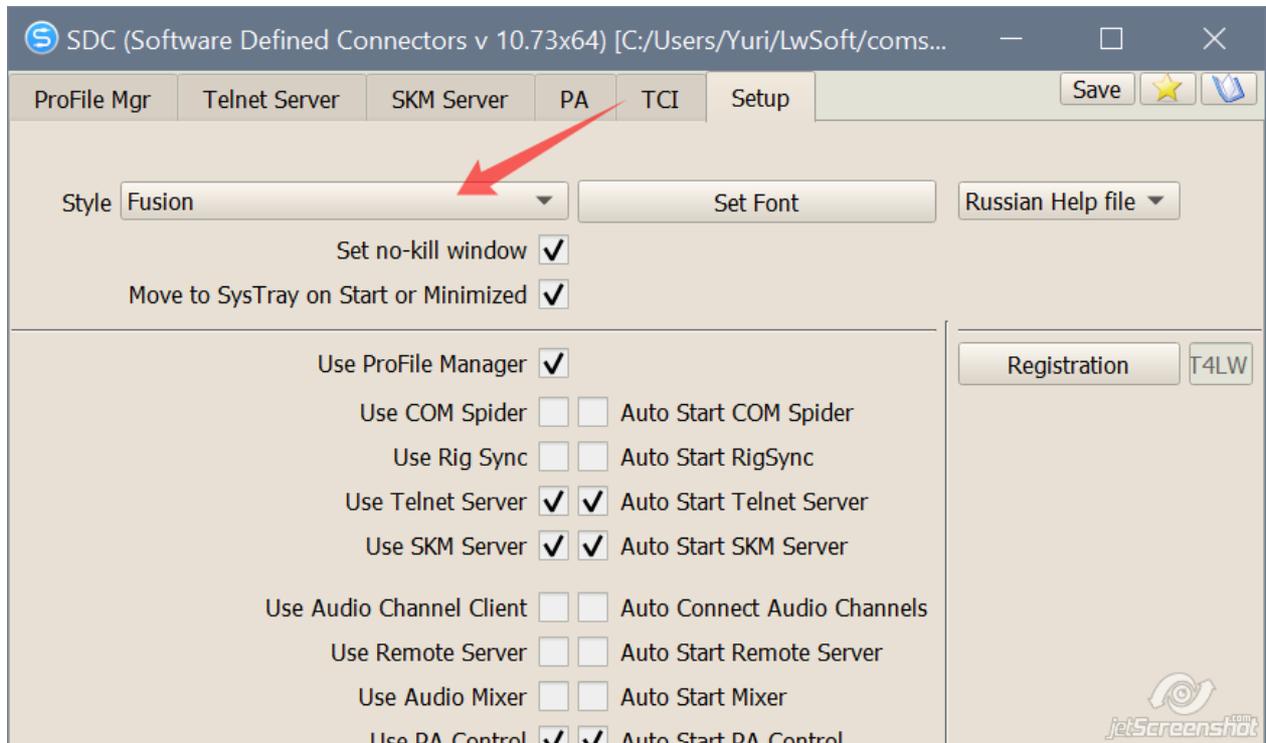
Move to SysTray on AutoStart or Minimized –

SDC

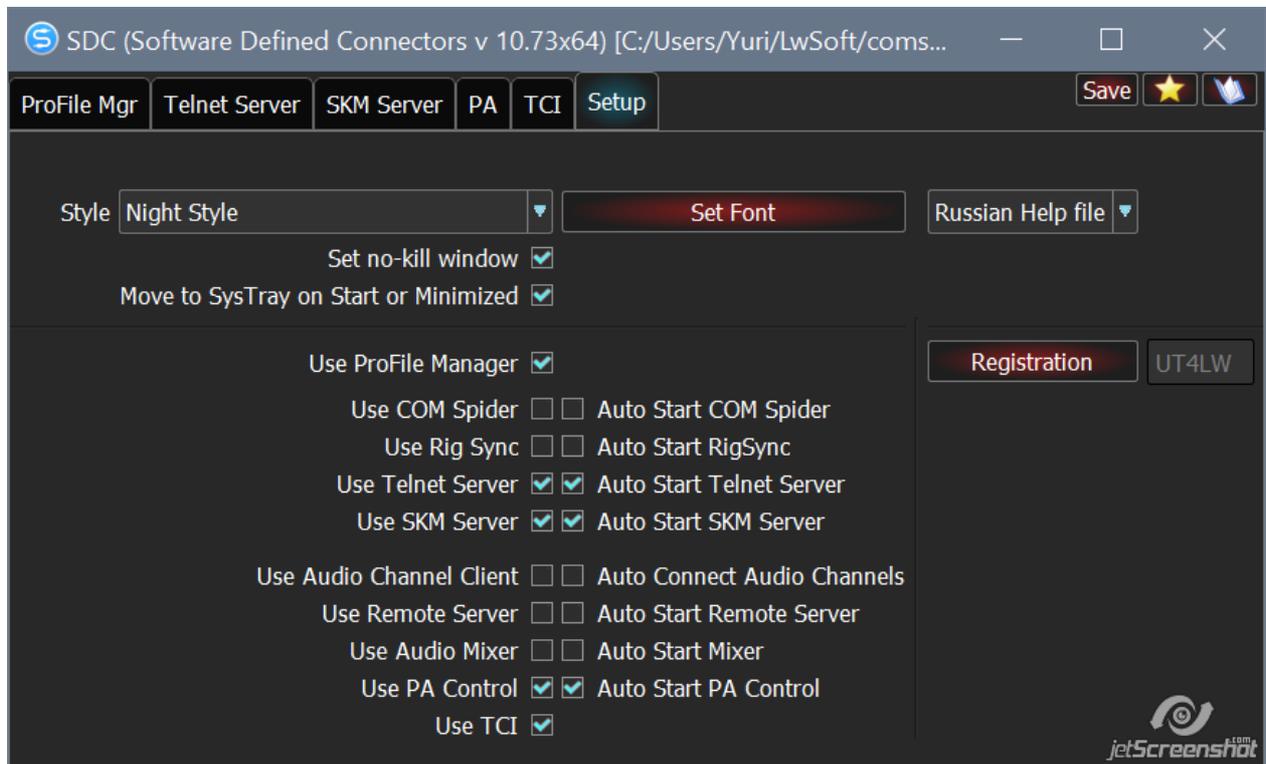
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Стили интерфейса

"Fusion":

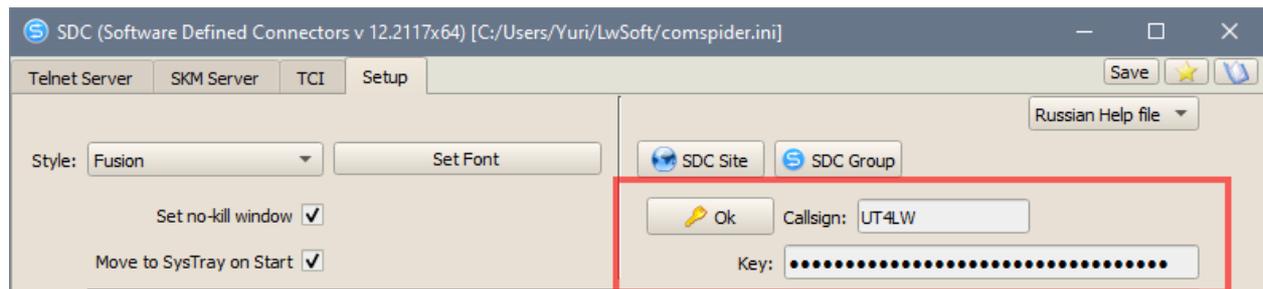


"Night Style":



Регистрация программы

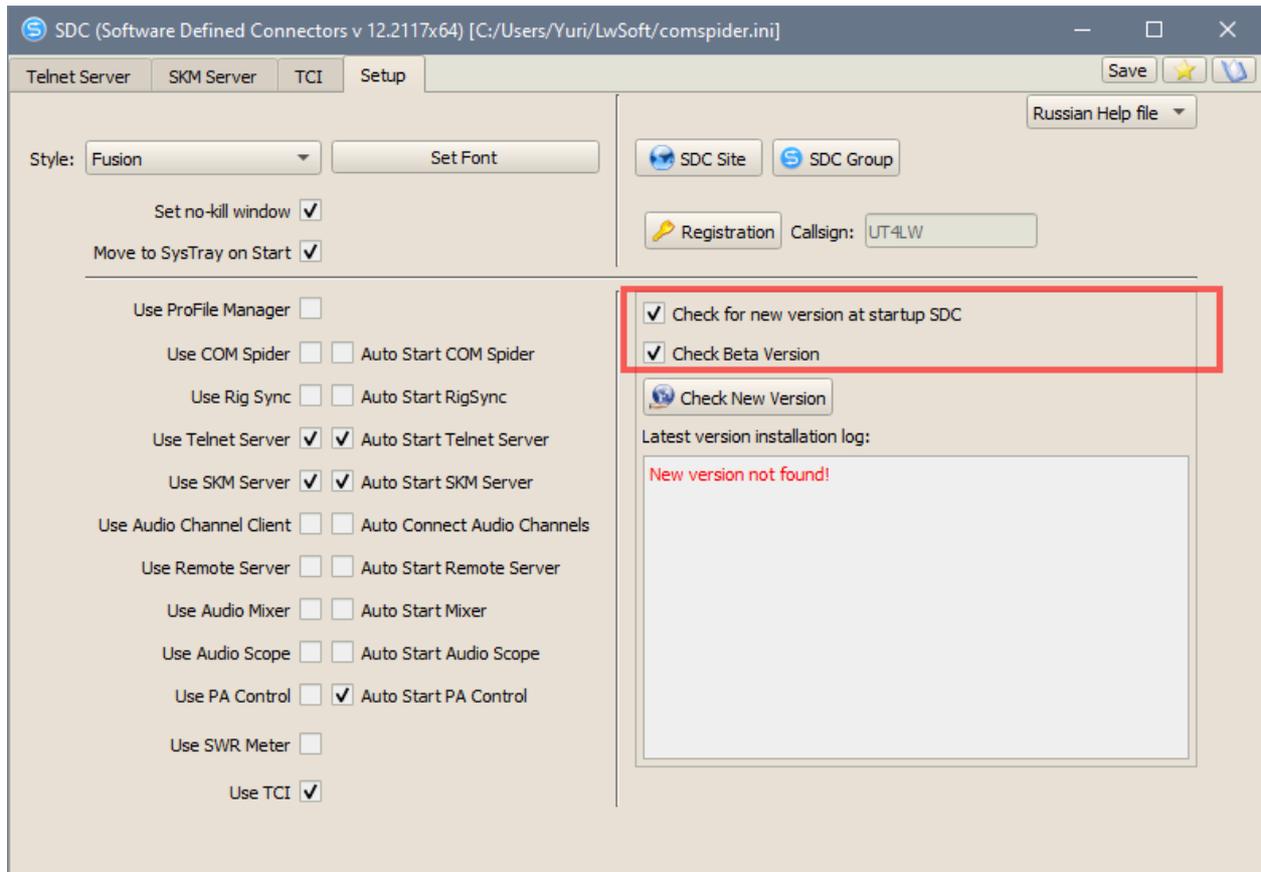
- SKM Server SDR , TCI
-
_____ SDC
_____ !



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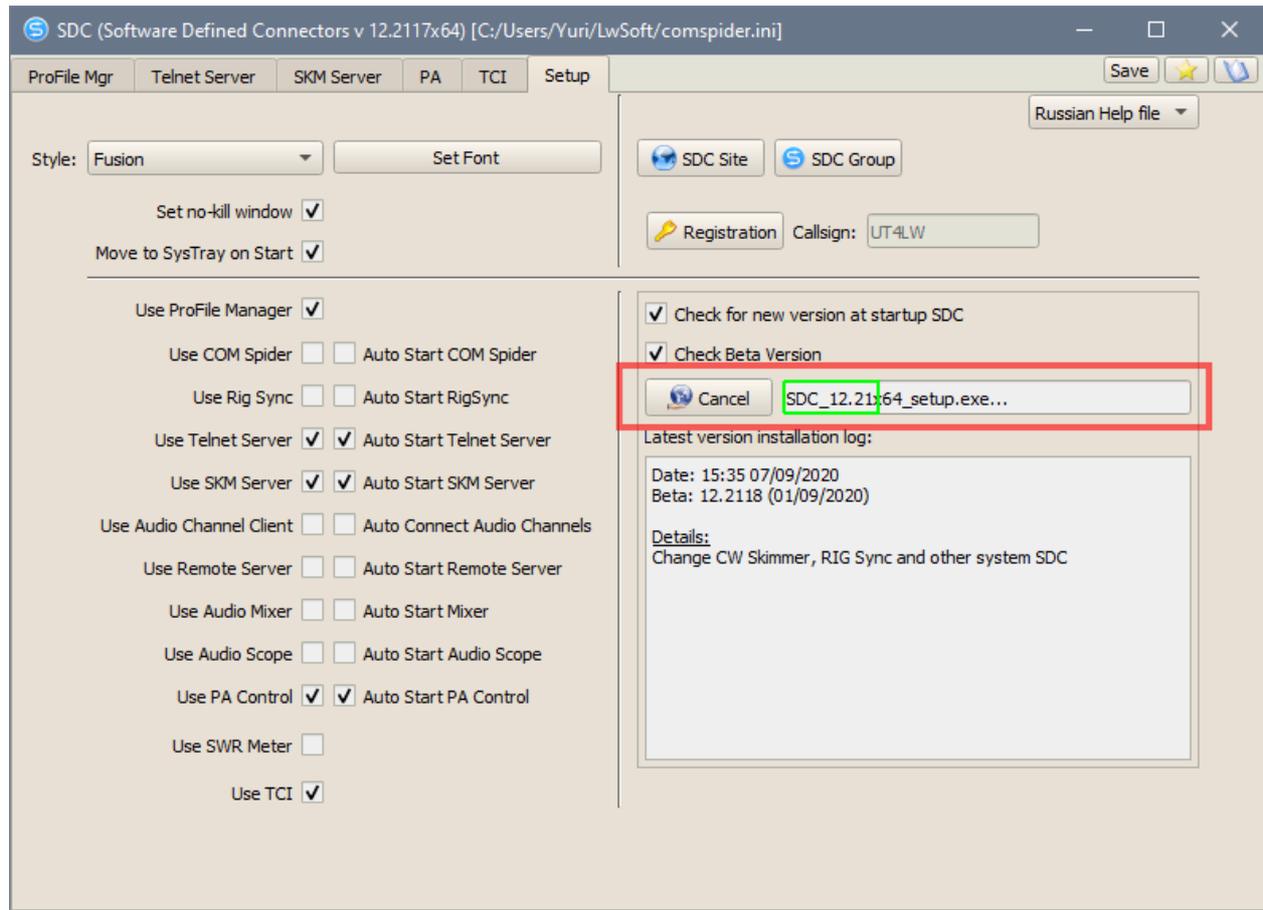
Обновления программы

_____ SDC " "



LwSoft/Download

Beta 12.2118:



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