

FT8 aasta hiljem

Populaarsuse hüppeline kasv.

Fox/Hound mode Dxpedition jaoks

77bit protokoll

Pikkade kutsungite toetus. (kuni 12 tähemärki aga kindlamalt kuni 11 tähemärki)

Oleks ES100 aktsioon sellel aastal saanuks oluliselt rohkem ja lihtsamalt digisidesid.

Pikkade kutsungite toetuse puudused.

Võistlus protokollide lisandumine.

FT8 77bit võimelised programmid:

1. WSJT-X 2.0.0 või uuem (16066)
2. JTDX 2.0.1 rc102 või uuem (5249)
3. MSHV_2XX (359)

Numbrid näitavad 17-24 jaanuaril eetris nähtud FT-8 mode kasutajaid programmide kaupa pskreporter.info andmetel.

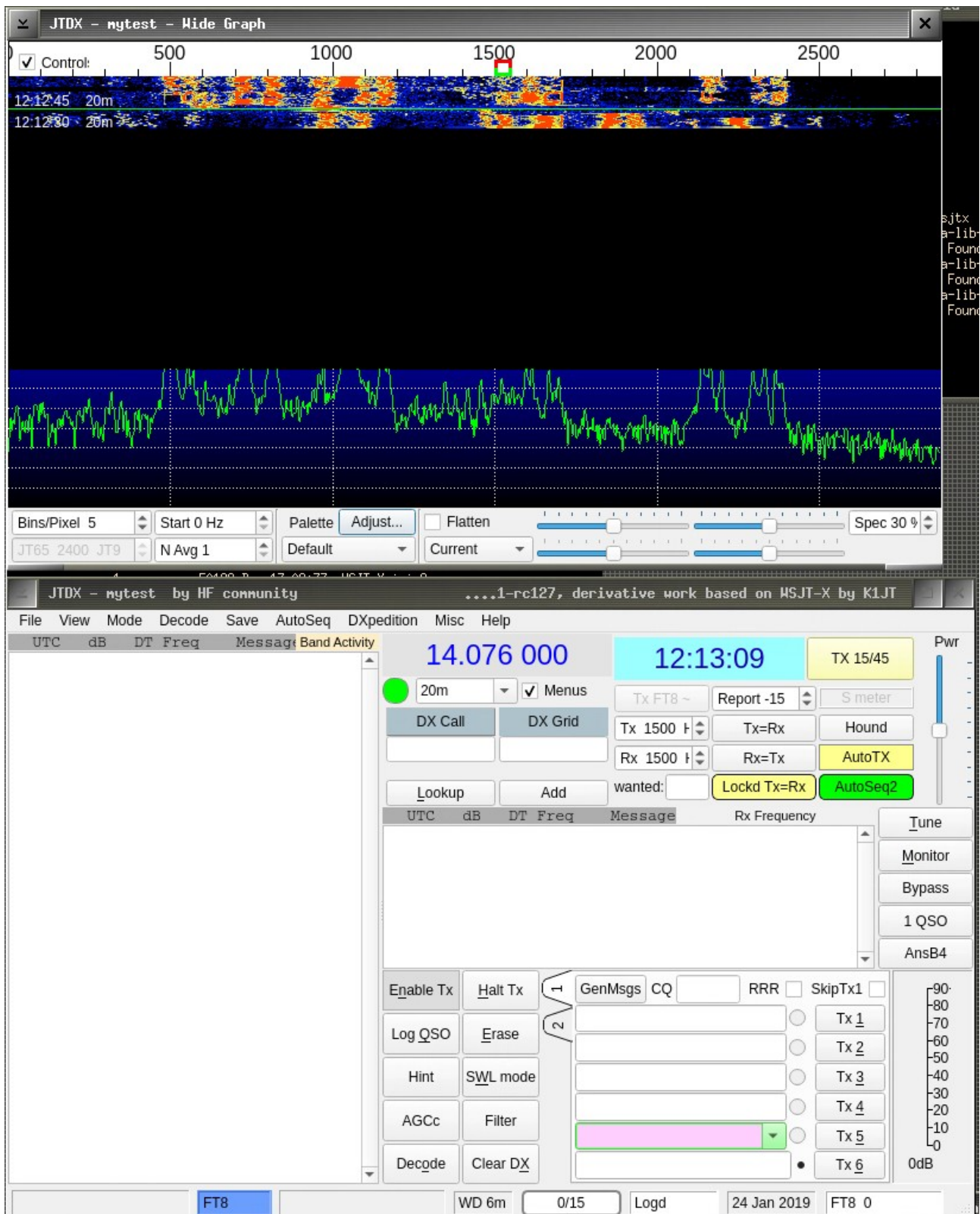
JTDX programmi download, seadistamine, kasutamine

<http://www.jtdx.tech> on ametlik veebileht kust saab alla laadida ja on ka igasugu juhendeid.

Programmi on võimalik kasutada Windows Linux ja MacOS all.

Peab kohe ütlema, et JTDX on edasijõudnud digisidede harrastajale mõeldud programm. Algajale oleks WSJT-X ilmselt lihtsam, aga peale esimest nädalat saab ka selgeks, et vähemalt ilma lisaprogrammide abita (JT-Alert põhiliselt) pole WSJT-X kasutatav, kui just iga päev ei taha mõne sakslase itaallase või paljude teistega kordussidesid pidada.

Esmakordsel JTDX käivitamisel avaneb umbes selline pilt.



Siin on näha nn. Mainwindow ja Waterfall.
 Kui veab hakkavad esimesed dekodeid kohe tulema.

Kõigepealt tuleb läbi käia seadistuste kadalipp. Esimene pilt on default, teine ES1JA sama seadistus

Settings



- General
- Radio
- Audio
- Sequencing
- Tx Macros
- Reporting
- Frequencies
- Notifications
- Filters

Station Details

My Call:

My Grid:

Message generation for type 2 compound callsign holders:

Display

- Blank line between decoding periods Application Font...
- Display distance in miles Decoded Text Font...
- Hide partially transmitted messages Tx messages to Rx frequency window
- Show DXCC names Show prefix not name

Behavior

- Monitor off at startup Tx watchdog timer
- Decode at t = 52 s Tune timer
- Allow Tx frequency changes while transmitting
- Monitor returns to last used frequency
- CW ID after 73 Periodic CW ID Interval:

Settings [X]

General | **Radio** | Audio | Sequencing | Tx Macros | Reporting | Frequencies | Notifications | Filters | Scheduler | Advanced

Station Details

My Call: My Grid:

Message generation for type 2 compound callsign holders:

Display

Blank line between decoding periods

Display distance in miles

Hide partially transmitted messages Tx messages to Rx frequency window

Show DXCC names Show prefix not name

Behavior

Monitor off at startup Tx watchdog timer:

Decode at t = 52 s Tune timer:

Allow Tx frequency changes while transmitting

Monitor returns to last used frequency

CW ID after 73 Periodic CW ID Interval:

Settings [X]

General | **Radio** | Audio | Sequencing | Tx Macros | Reporting | Frequencies | Notifications | Filters

Rig: None Poll Interval: 1 s S meter Output power

CAT Control

Serial Port: /dev/ttyUSB0

Serial Port Parameters

Baud Rate: 4800

Data Bits

Default Seven Eight

Stop Bits

Default One Two

Handshake

Default None
 XON/XOFF Hardware

Force Control Lines

DTR: [] RTS: []

PTT Method

VOX DTR
 CAT RTS

Port: /dev/ttyUSB0

Transmit Audio Source

Rear/Data Front/Mic

Mode

None USB Data/Pkt

Split Operation

None Rig Fake It

Test CAT Test PTT

Tx delay: 0.2 s

OK Cancel

Settings

General | **Radio** | Audio | Sequencing | Tx Macros | Reporting | Frequencies | Notifications | Filters | Scheduler | Advanced

Rig: Yaesu FT-1000MP **Radio interface configuration settings.** Poll Interval: 1 s S meter Output power

CAT Control

Serial Port: /dev/ttyUSB0

Serial Port Parameters

Baud Rate: 9600

Data Bits

Default Seven Eight

Stop Bits

Default One Two

Handshake

Default None XON/XOFF Hardware

Force Control Lines

DTR: RTS:

PTT Method

VOX DTR CAT RTS

Port: /dev/ttyUSB0

Transmit Audio Source

Rear/Data Front/Mic

Mode

None USB Data/Pkt

Split Operation

None Rig Fake It

Tx delay: 0.2 s

Settings



- General
- Radio
- Audio
- Sequencing
- Tx Macros
- Reporting
- Frequencies
- Notifications
- Filters

Soundcard

Input: Mono

Output: Mono

Audio files save directory

Location:

Remember power settings by band and mode

Transmit Tune

Settings

General Radio **Audio** Sequencing Tx_Macros Reporting Frequencies Notifications Filters Scheduler Advanced

Soundcard

Input: Left

Output: Left

Audio files save directory

Location:

Remember power settings by band and mode

Transmit Tune

General

Radio

Audio

Sequencing

Tx Macros

Reporting

Frequencies

Notifications

Filters

Message sequencing short scenarios

Counters. Search through decoded messages, call CQ or Halt Tx if:

- answered to someone's CQ with no response 2 times
- called CQ, received a call and answered 2 times
- sent report answering to incoming report 3 times
- sent RR73(73) answering to incoming RRR(RR73) 2 times

 Halt TX if operator I called answered to other operator Strict directional CQ operation

OK

Cancel

Settings

General Radio Audio Sequencing Tx Macros Reporting Frequencies Notifications Filters Scheduler Advanced

Message sequencing short scenarios

Counters. Search through decoded messages, call CQ or Halt Tx if:

<input type="checkbox"/> answered to someone's CQ with no response	2	times
<input checked="" type="checkbox"/> called CQ, received a call and answered	3	times
<input checked="" type="checkbox"/> sent report answering to incoming report	5	times
<input checked="" type="checkbox"/> sent RR73(73) answering to incoming RRR(RR73)	5	times

Halt TX if operator I called answered to other operator

Strict directional CQ operation

OK Cancel

Settings



General

Radio

Audio

Sequencing

Tx Macros

Reporting

Frequencies

Notifications

Filters



Add

Delete

@ TNX 73

@ &

@ #

@ R#

OK

Cancel

Settings



- General
- Radio
- Audio
- Sequencing
- Tx Macros**
- Reporting
- Frequencies
- Notifications
- Filters
- Scheduler
- Advanced

Add

Delete

@ ES1JA 73
@ HNY 73
@ QSO B4
@ TNX 73
QRZ ES1JA KO29
40W HLOOP 73
40W VERT 73
QRM PSE AGN
40W DIPOLE 73
@ M-XMAS

OK

Cancel

Settings



- General
- Radio
- Audio
- Sequencing
- Tx Macros
- Reporting
- Frequencies
- Notifications
- Filters

Radio interface configuration settings.

Logging

- Prompt me to log QSO
- Enable automatic logging of QSO
- Convert mode to RTTY
- dB reports to comments
- Clear DX call and grid after logging
- Clear DX call and grid on exit

External logbook connection

TCP Server:

TCP port:

Enable data transfer to external log

Recording to ALL.TXT

- decoded messages
- decoded and debug messages

Network Services

Enable eQSL sending

eQSL timer, seconds:

Username:

Password:

QTH Nickname:

Enable PSK Reporter Spotting

Enable DXSummit Spotting

UDP Server

UDP Server:

UDP Server port number:

Accept UDP requests

Notify on accepted UDP request

Accepted UDP request restores window

prevent spotting messages with the unconfirmed callsigns via UDP

apply text filters to transmission of the UDP messages

Settings [X]

General | Radio | Audio | Sequencing | Tx Macros | **Reporting** | Frequencies | Notifications | Filters | Scheduler | Advanced

Logging

- Prompt me to log QSO
- Enable automatic logging of QSO
- Convert mode to RTTY
- dB reports to comments
- Clear DX call and grid after logging
- Clear DX call and grid on exit

External logbook connection

TCP Server:

TCP port:

Enable data transfer to external log

Recording to ALL.TXT

- decoded messages
- decoded and debug messages

Network Services

- Enable eQSL sending
- Enable PSK Reporter Spotting
- Enable DXSummit Spotting

eQSL timer, seconds:

Username:

Password:

QTH Nickname:

UDP Server

UDP Server:

UDP Server port number:

- Accept UDP requests
- Notify on accepted UDP request
- Accepted UDP request restores window
- prevent spotting messages with the unconfirmed callsigns via UDP
- apply text filters to transmission of the UDP messages

[OK] [Cancel]

Settings

General Radio Audio Sequencing Tx_Macros Reporting **Frequencies** Notifications Filters

Working Frequencies

Mode	Frequency
WSPR	0.136 000 MHz (2190m)
JT65	0.136 130 MHz (2190m)
JT9	0.136 130 MHz (2190m)
T10	0.136 130 MHz (2190m)
JT65	0.474 200 MHz (630m)
JT9	0.474 200 MHz (630m)

Reset

Frequency Calibration

Intercept: 0.00 Hz

Slope: 0.0000 ppm

Station Information

Band	Offset	Antenna Description
------	--------	---------------------

OK Cancel

Settings

- General
- Radio
- Audio
- Sequencing
- Tx Macros
- Reporting
- Frequencies
- Notifications
- Filters
- Scheduler
- Advanced

Working Frequencies

Mode	Frequency
WSPR	0.136 000 MHz (2190m)
JT65	0.136 130 MHz (2190m)
JT65	0.474 200 MHz (630m)
JT9	0.474 200 MHz (630m)
WSPR	0.474 200 MHz (630m)
WSPR	1.836 600 MHz (160m)
JT65	1.838 000 MHz (160m)

Reset

Frequency Calibration

Intercept: 0.00 Hz

Slope: 0.0000 ppm

Station Information

Band	Offset	Antenna Description
160m	0.000 000 MHz	Hor loop
80m	0.000 000 MHz	Dipole
60m	0.000 000 MHz	Hor loop
40m	0.000 000 MHz	AV-640
30m	0.000 000 MHz	AV-640
20m	0.000 000 MHz	AV-640
17m	0.000 000 MHz	AV-640

OK Cancel

'New one' and 'worked B4' status notifications

- Check and highlight new DXCC per band per mode Beep as well
 - Check and highlight new grids per band per mode Beep as well
 - Check and highlight new calls per band per mode Beep as well
 - Highlight worked ones strike it underline it don't show it
 - Inverse text/background color
 - Highlight other standard messages
- Beep on my call Beep on 1st decoded message

Markers Other standard messages red / my call in message blue / my call at QSO

Configuration tips

Transmitted message	K1ABC		
	CQ in message	My Call in message	Other standard message
	K1ABC	K1ABC	
New DXCC	K1ABC	K1ABC	
New DXCC on Band/Mode			
New Grid			
New Grid on Band/Mode			
New Call	K1ABC	K1ABC	
New Call on Band/Mode			
Worked one	K1ABC	K1ABC	

OK Cancel

'New one' and 'worked B4' status notifications

- Check and highlight new DXCC per band per mode Beep as well
 - Check and highlight new grids per band per mode Beep as well
 - Check and highlight new calls per band per mode Beep as well
 - Highlight worked ones strike it underline it don't show it
 - Inverse text/background color
 - Highlight other standard messages
- Beep on my call Beep on 1st decoded message

Markers Other standard messages red / my call in message blue / my call at QSO

Configuration tips

Transmitted message	CQ in message	My Call in message	Other standard message
	K1ABC	K1ABC	
	K1ABC	K1ABC	
New DXCC	K1ABC	K1ABC	
New DXCC on Band/Mode	K1ABC	K1ABC	
New Grid	K1ABC	K1ABC	
New Grid on Band/Mode	K1ABC	K1ABC	
New Call	K1ABC	K1ABC	
New Call on Band/Mode	K1ABC	K1ABC	
Worked one	K1ABC	K1ABC	

Settings

General | Radio | Audio | Sequencing | Tx Macros | Reporting | Frequencies | Notifications | Filters

Hide messages from continents

Africa Antarctica Asia Europe Oceania North America South America

Hide messages from countries

Hide

Hide messages from callsigns

Hide

Show content related messages in RX frequency window

Enable

Show CQ messages only Show CQ/RRR/RR73/73 messages only Show CQ/RR73/73 messages only

Hide decoded free messages

Hide messages with hash for 2nd callsign

Settings [X]

General | **Radio** | Audio | Sequencing | Tx Macros | Reporting | Frequencies | Notifications | Filters | Scheduler | Advanced

Hide messages from continents Select tab to change configuration parameters.

Africa Antarctica Asia Europe Oceania North America South America

Hide messages from countries

Hide

Hide messages from callsigns

Hide

Show content related messages in RX frequency window

Enable

Show CQ messages only Show CQ/RRR/RR73/73 messages only Show CQ/RR73/73 messages only

Hide decoded free messages

Hide messages with hash for 2nd callsign

Settings

Sequencing Tx_Macros Reporting Frequencies Notifications Filters Scheduler Advanced

Band scheduler configuration

hh	mm	Band	JT65+JT9
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Use band scheduler

OK Cancel

- General
- Radio
- Audio
- Sequencing
- Tx Macros
- Reporting
- Frequencies
- Notifications
- Filters
- Scheduler
- Advanced

Band scheduler configuration

hh	mm	Band	JT65+JT9
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Use band scheduler

OK

Cancel

Settings

- Sequencing
- Tx_Macros
- Reporting
- Frequencies
- Notifications
- Filters
- Scheduler
- Advanced

JT65 decoding parameters

Number of decoding attempts: 3

Number of decoding passes: 4

RX frequency decoding attempts: 1

Hinted decoding DT range: 1

Use frequency mask decoding

Top decoding frequency: 2700 Hz

Harmonics decoding depth: 0

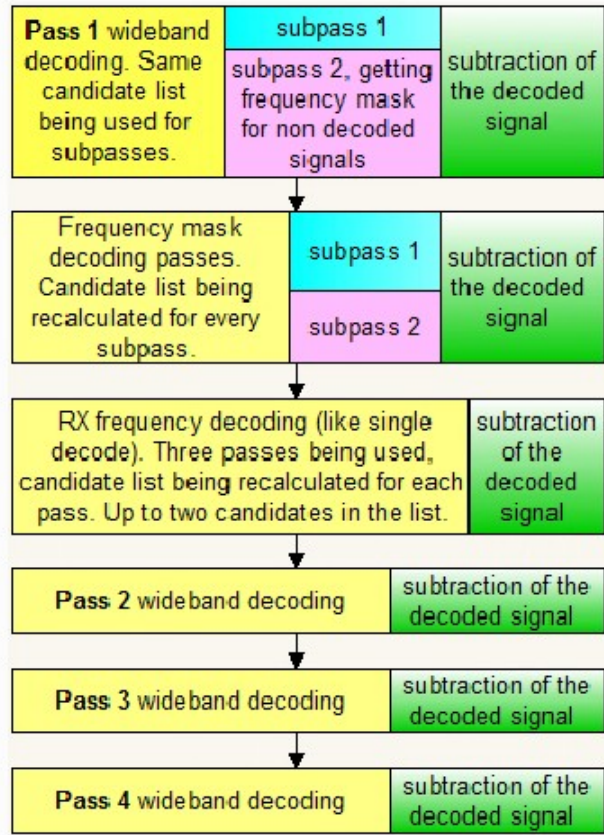
Configuration tips

DT range	DT low threshold, sec	DT high threshold, sec
1	-0.5	1
2	-1	2
3	-1.5	3
4	-2.5	4
5	-3.5	5

T10 decoding parameters

Number of decoding attempts: 1

RX frequency decoding attempts: 1



OK Cancel

Settings

- General
- Radio
- Audio
- Sequencing
- Tx Macros
- Reporting
- Frequencies
- Notifications
- Filters
- Scheduler
- Advanced

JT65 decoding parameters

Number of decoding attempts: 2

Number of decoding passes: 4

RX frequency decoding attempts: 1

Hinted decoding DT range: 1

Use frequency mask decoding

Top decoding frequency: 3000 Hz

Harmonics decoding depth: 0

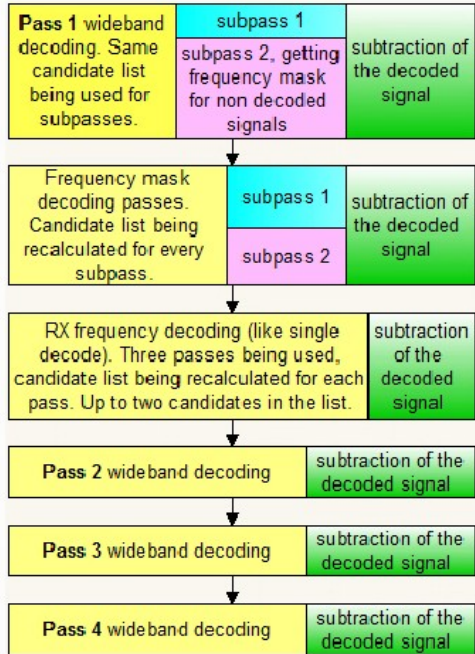
Configuration tips

DT range	DT low threshold, sec	DT high threshold, sec
1	-0.5	1
2	-1	2
3	-1.5	3
4	-2.5	4
5	-3.5	5

T10 decoding parameters

Number of decoding attempts: 2

RX frequency decoding attempts: 1



OK Cancel