

- CAT over TCP/IP
 - All Thetis cat commands supported
 - 30 second inactivity disconnect
- Display decimation for lower spec computers
- Extensive additional ZZ cat commands
- Updated WDSP library
- DirectX speed improvements for modern operating systems (win 10/11)
- Extensive VAC configuration options
- Flexible OC configuration
- Interactive filter adjustments using the mouse
- Transverter manual notch filter support
- Entirely new band stack system
- N1MM spectrum output
- Many bugs fixed along with other improvements/changes
- Automatic noise floor compensation
- TCI (transceiver control interface) (<https://github.com/ExpertSDR3/TCI>)
 - Audio/IQ over the stream is not yet supported
 - TCI spots use new display system in the spectrum
 - Inbound commands supported
 - modulation
 - vfo
 - trx
 - split_enable
 - tune
 - rx_enable
 - dds
 - if
 - spot
 - spot_delete
 - start
 - stop
 - set_in_focus
 - Outbound commands supported
 - clicked_on_spot
 - rx_clicked_on_spot
 - app_focus
 - rx_enable
 - tx_enable
 - if_limits
 - drive
 - tune_drive
 - tune
 - split_enable
 - dds
 - if
 - vfo
 - trx
 - modulation
 - rx_filter_band
 - start
 - stop
 - device
 - protocol
 - receive_only

- trx_count
- channels_count
- ready
- modulations_list

○ Commands not yet supported (some are one way, some bidirectional)

- xit_enable
- rit_offset
- xit_offset
- rx_channel_enable
- cw_macros_speed
- cw_macros_delay
- cw_keyer_speed
- volume
- mute
- rx_mute
- rx_volume
- rx_balance
- mon_volume
- mon_enable
- agc_moe
- agc_gain
- rx_nb_enable
- rx_nb_param
- rx_bin_enable
- rx_nr_enable
- rx_anc_enable
- rx_anf_enable
- rx_apf_enable
- rx_dse_enable
- rx_nf_enable
- lock
- sql_enable
- sql_level
- cw_macros_speed_up
- cw_macros_speed_down
- iq_samplerate
- audio_sample_rate
- iq_start
- iq_stop
- audio_start
- audio_stop
- line_out_start
- line_out_stop
- line_out_recorder_start
- line_out_recorder_stop
- line_out_recorder_break
- tx_footswitch
- tx_frequency
- keyer
- rx_sensors_enable
- tx_sensors_enable
- rx_sensors
- tx_sensors