

Additional receiver drivers available

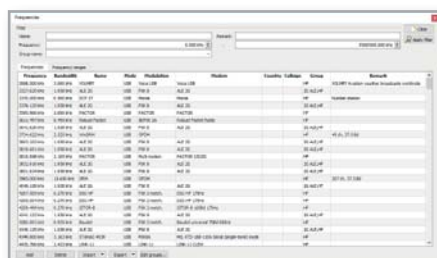
Receiver support is added for:

- RFspace NetSDR
- Narda SignalShark (VITA 49)
- WinRadio G35 DDC



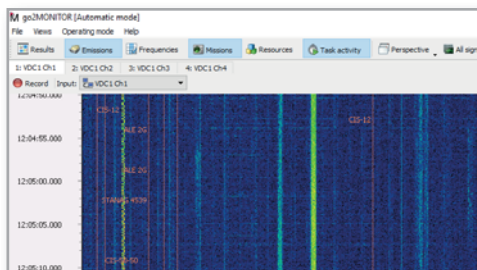
New receiver-plugin interface

To connect go2SIGNALS products with additional digital receivers, we support different types of standard interfaces like EXTIO or VITA 49. Additionally, we now deliver a plugin interface with go2MONITOR. The framework enables integrators and receiver manufacturers to connect their receivers including features like multichannel inputs, overview spectrum, receiver control, etc.



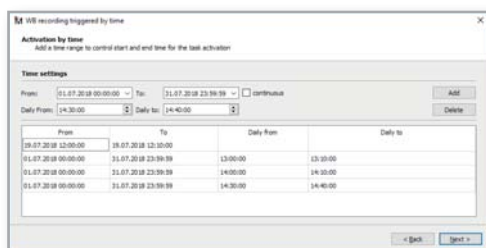
Stations-View replaced by new Frequency-View

With release Rel. 18.1 the management of selective frequencies and frequency ranges with additional parameters and customer database fields is now possible. Import your own frequency list and organize your entries. You can use them to set search- or block-frequencies for automatic monitoring and to mark results.



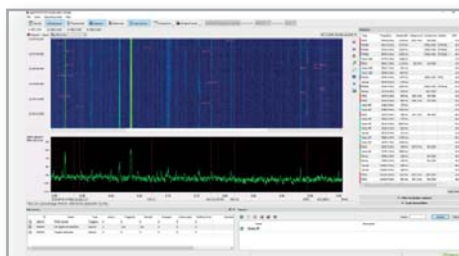
Frequency-View entries displayed as overlay in spectrograms

In all wideband displays entries of the frequency list can be displayed to identify them no matter if they are on-line or not. A filter on the group parameter can be used to show only specific communication networks.



Advanced scheduler for wideband recordings

With go2MONITOR Rel. 18.1 you get more flexibility setting recording schedules. A list of different recording times and daily repeated recordings can be created.



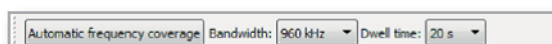
Manual wideband recording also useable in automatic mode

Even during automatic mode manual wideband recordings are now possible. Just press the "Record" button on the left top of the input spectrogram to start or stop the record of an interesting frequency band.



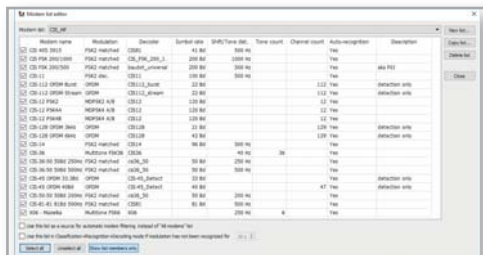
Task type triggered wideband recordings

We expand the signal bandwidth of the classifiers and decoders constantly. To record these signals, wideband recording function is now enhanced to set up tasks to trigger on them. The recording can be triggered based on modulation type recognition, modem classification or just on signal energy.



AutoCoverage function now available

Turning AutoCoverage on, the first wideband receiver is controlled by the system automatically to step with a parametrized time through all frequencies of all active tasks in the best possible way. Using this new feature, pre-defines frequency ranges can be monitored easily and automatically.



Decoder improvements

Looking on our decoder list you will see that go2MONITOR and go2DECODE came up with one of the best signal coverage of active modems ever seen. However, the signal world is changing all the time. To follow these changes we enhance our decoder list and add new features to existing decoders with every new release.

Modems can be organized in lists for automatic recognition. Using go2DECODE, you can build your own decoders and enhance these lists by yourself.

Our list of standard, military and PMR decoders is subject to continuous development. You find a current list of available decoders on our website: www.procitec.de/en/downloads

New decoder included for:

- INMARSAT-C-TDM
- CIS-12 PSK4B
- MFSK-32

New detectors included for:

- Robust Packet modems
- Several OFDM-based CIS variants including CIS-45, CIS-112, CIS-128
- STANAG 4285: added KG-84 encryption detection

Extended decoder for :

- APCO25, DMR, dPMR and NXDN: improved voice output quality by including patented vocoders from DVSI
- Codan 3212 PSK single channel: 75, 2400 and 3600 bps modes supported
- APCO25: now also showing the manufacturer ID
- Morse: added Cyrillic alphabet (output in decoder channel 2)
- Motorola SmartNet: added modem for signals with 4 kHz shift

Demodulator improvements:

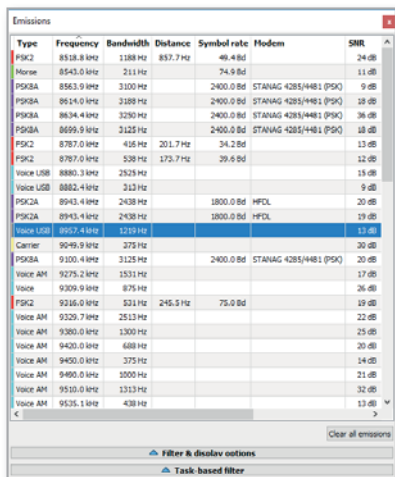
- OQPSK demodulator: improved synchronization and symbol handling
- FSK4 demodulator: extended range of automatic frequency offset correction
- Improved demodulation performance of NXDN signals

Classifier improvements

Signal classification is helpful to identify the type of an emission by its signal parameter. For automatic processing, these parameters are used to filter on signals of interest. With every release we improve the performance of the classification, e.g. by adding new modulation types or increase of signal bandwidth.

With release 18.1 you get new:

- PSK classification now supports classification of signals with up to 200 kHz bandwidth or 125 kBd symbol rate
- ACARS Modem Detection
- Support for customer defined adaptive modem definitions



You can find more information about go2DECODE and go2MONITOR on www.procitec.de.



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