

What's New ? Version 3.08

New modes added

STANAG-4415 PSK
STANAG-4481 FSK
STANAG-4481 PSK
MIL-M 55529A FSK
CV-786
MD-674
MT 63
OLIVIA MFSK
PSK 31 F
PSK 63 F
PSK 125 F
PSK 220 F

New Tools / Fuction

MFSK Demodulator Graphical (works togheter with MFSK Oscilloscope)
Syn/Asyn oscilloscope
PSK Demodulator

Page Formatting : on many modules is possible now with the ALPHABET TABLE Mapper. It has got an additional choice 'Format Page ON', here one can select a colomn wide, the qty of characters define the colomn. A Linefeed or Space can be added to format. Additional upto three strings will generate a Line feed or Space, this may help to build your own page formatter.

Important Improvement

These modules now can be resizable

Main FFT
FSK Oscilloscope
MFSK Oscilloscope
Phase Spectrum
Correlation Mod
Correlation Mod VHF
Bit Analysis
Demodulator
MFSK Demodulator (Graphical)
PSK Demodulator

Improvement

STANAG 4285, 4529, M110-ser, 39t: Character counter enabled also Uppercase
PACTOR II, add binary ouput : symbol ch A+B, symbol ch A, symbol ch B, Interelevaed decoder, De-Interleaved decoder. PACTOR II, show lost block
Main FFT add cursor for fixed measure
VHF Tone Classification now show system and tone sequence
Tuning aid added for AUM13 and NUM13
Universal and MFSK demodulator : BITSTREAM output changed: memo1 size sets the qantity of chars

Font : Font name, size and color are now saved in the Preference Menu, written into file PREFERENCE_COLOR.TXT. This enables a free choice of the font size, color and name for all modules, direct as default available from startup. Beside this an individual bitmapping, together with font name, size and color is possible in most decoding modules where bitmapping could be necessary. The normal font selector is also still present, so all custom requests can be full filled now.

Output to LAN changed in old way, supplied sample monitor still working now.

Version 3.07

New modes added

STANAG-4415 PSK
STANAG-4481 FSK
STANAG-4481 PSK
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OLIVIA MFSK
PSK 31 F
PSK 63 F
PSK 125 F
PSK 220 F

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PACTOR II, show lost block
Main FFT add cursor for fixed measure

Version 3.06

New modes added

New Mode Added: Codan9001/3012 and Codan Chirp available as optional

New Mode Added: COQ-TUN auto switch fec33-nofec16 *

New Mode Added: PACT1 Special *

New Mode Added: MFSK 16-15 *

New Mode Added: HAM MFSK8

New Mode Added: HAM MFSK16

New Tools / Function

New Tools / Function : New Shift Speed Measurement module with graphical display.

New Tools / Function : CRYP module added to force different layouts in several modes (P1+2, Packet, PSK , Baudot, demod)

New Tools / Function : Timer function added, can start / stop up to two modules, selected from IP list, at different times. Start/stop recording included.

Important Improvement

Important Improvement: all SAVE TEXT modules now with selectable extension: .rtf (default), .txt and .rtt. Note that .rtt now is saved as Unicode!

Works on all modules with richedit, all memo modules have only *.rtt

Important Improvement: MFSK UNI numbers of tones increased up to 50, shift with decimals possible

Important Improvement: Codan 9001 Chirp, CALL by LAN output added

Important Improvement: each sound device got its own correction factor, is written in fax, clockcorr.txt for device 0, clockcorr1.txt for device 1..clockcorr5.txt for device 5

Important Improvement: coq8, coq8auto, coq8tun, coq8acec auto tuning included (mod version only)

Important Improvement: Classification module changed: ALE, Merlin, Rou-Fec, Merod, Inmarsat, Baudot KG84, HFDL, STANAG4285, STANAG 4529, MIL188-110 ser, MIL188-110 39tone, ARQ-SWED, Codan9001, Codan Chirp, MIL5065, SKYFAX, ERMES, MFSK 16, MFSK 18, MFSK20 added. PACKET 1,2kb,

BETA Improvement

BETA Improvement: PSK demod a few demods added now

Improvement

- FSK / FEK ATC tuning range minus changed in xxspecial
- Shift Baud + FFTThread additional limitation in shift added, could generate an exception error?
- Piccolo 6 40 baud in auto class
- Generator: ARQ6-70 added (uses CCIR 342 instead of CCIR 476 in ARQ6-90/98)
- AFP scope temp_hold bug fixed
- Update time of status line in S 4285 increased
- MFSK-UNI more markers needed, change baud_rate! Fixed, SP2 tm SP6 added in *.MXT
- sync timing changed in ARTR,PACK300, CIS81 (status)
- tuning grid for codan added
- tuning grids: in mfsk 16 etc gave rounding effect. FFTThread: ToneSpacing changed into REAL!
- Generator buttons updated
- colors for Main FFT: center marker, Roofing filter and Shift marker can be chosen/saved
- PACII data output demods, 3 different places mod
- DEMOD UNI special sampling at low baud speeds, reduces decoding errors
- MFSK UNI decoder sampling decimation for low baud speeds, shift+qty tones selectable on GUI
- PSK10, PSK31, Demod Uni, elapsed_time > cardinal (overflow low baud rates at 44100 sampling speed)
- Sample AGC added in more modes like coq8, mfsk, codan etc.

- Shift pattern left / right in BitAnalysis, Demod,
- loop in baud rate correction (phase) increased in coq, demod universal and mfsk
- num13 and aum 13 sync and stby/traffic control changed
- coq8 new sync part
- External table for baud speed needs speed values with point as decimal, up to 0.1 baud exactly, i.e. 100.5 is required.
- C16 has split window for raw output
- mfsk16 15 new filtering from coq8, br changed and shift
- Baudot recognizes KG84 Crypto and shows in status line
- Autoclassification : CLOVER2000 and TADIRAN added
- Phase spectrum got minimal shift when no input signal is present at start.
- EDITOR clears lower window with RIGHT MOUSE button now

Problem Fixed

Problem Fixed: sync in coq13 fixed

Problem Fixed: sync in arq-ira fixed

Problem Fixed: Phase Spectrum cursor fixed, avaraging+windowing fixed.

Problem Fixed: demod start/block-sync small bug fixed

Problem Fixed: small bug in timer fixed, < 10 hour,

Problem Fixed: PreviousBaudRate from single back to real! Causes status message by LAN in modes with dec. baud rates. i.e. COQ8

Problem Fixed: in remote / audio_lan, by new command

Problem Fixed: mainform position: all modes use the same mainform left position now (+ 1pixel each thread)

Remote Control and IP

Remote Control and IP : alphabet status controlled now by remote and IP

Remote Control and IP : SETALPHABET=1..18 new remote control command to change alphabet

Remote Control and IP : Also secondary modes and tools can be opened by IP (without settings!), like : Generator, Editor, Straddle, DCF77, Charcount, ITA2Decoder, DataEditor completely different, new layout and new GUI. All alphabets working. 'Old' version of data reader is still available too at this moment. AutoClass for this mode in progress.....

Remote Control and IP : 'SuppressStartDetails' + 'ShowStartDetails' only active in M110ser, M11039t, ST 4285, ST4529 Dis- / Enable output of mode details before start of text.

Remote Control and IP : remote command change baudrate wasn't accepted in some modes, fixed (xxkeyb) demod and demod-psk bit marker counter fixed

Remote Control and IP : new commands added: AUTOTUNEON / AUTOTUNEOFF enable / disable auto tuning of F1 and F3., needed for real time working and bad conditions, but useful for handling wav files.

Supplementary Information

Supported modes and names now for Autocalssification:

- 405-395
- ARQ E3
- ARQ6-70
- ARQ6-90
- ARQ6-98
- ARQE = ARQ 1000 D
- ARQN = ARQ 1000 D no marked cycle
- ARQS repetition cycle 4
- ARQS repetition cycle 5
- ARQS repetition cycle 6
- ARQ-SWED
- ASCII
- AUTOSPEC Spread 11,21,51
- BAUDOT 1 stopbit
- BAUDOT 1.5 stopbit
- BAUDOT 2 stopbit

- BEE 36 50
- CCIR 242 2 channel
- CCIR 242 4 channel
- CCIR 342-2 1 channel ident ARQE3
- CCIR 342-2 2 channel
- CCIR 342-2 4 channel
- CIS 14 AMOR
- CLOVER2000
- CODAN CHIRP
- CODAN data 16 ch
- COQUELET 8 13 bd
- COQUELET 8 26 bd
- CROWD 36
- DGPS SC104
- DUPL ARQ ARTRAC
- ERMES Pager
- FECA = FEC 100
- FECS = FEC 1000 S
- GTOR
- GW Dataplex
- HC ARQ
- INMARSAT TDMA
- IRA ARQ
- MEROD RAC ARQ
- MFSK 16
- MFSK 18
- MFSK 20
- MIL 188-110 39 tone
- MIL 188-110 serial
- MIL 188-141
- PACKET AX25
- PACTOR1
- PICCOLO multitone
- POCSAG Pager
- POL-ARQ
- ROU FEC
- RS ARQ
- RS ARQ MERLIN
- SITOR IDLING
- SITOR mode A IRS
- SITOR mode A ISS
- SITOR mode B
- SKYFAX MSN
- STANAG 4285
- STANAG 4529
- STANAG 5065
- TADIRAN
- TORG
- TWINPLEX 7b
- VISEL

* Internal use only

Version 3.05

New modes added:

STANAG 5065: added

CROWD 36 ECC: added (variant of CROWD 36 with error correction)

PACTOR I FEC: included on Pactor I module with autodetection

ZVEI 13 BIIS: added

MT 63: added

MFSK 16: added (ham mode)

MF-TTY: RTTY with DTMF tones

THROB: 9-tone system with DTMF and single tones (reduce input level or work with bad S/N !!!)

PSK 10: added, has different character set as PSK31

PSK 63: added

PSK 220: added with binary output

PSK10AM: added, uses a kind of FEC code

PSK31AM: added, uses a kind of FEC code

PSK50AM: added, uses a kind of FEC code

Baudot Parity : added a new old French system: Baudot with 1 parity bit is available as 'Baudot Parity' in menu part 'special systems'.

Universal Demod: Universal Demodulator now include DBPSK demodulator

Binary Editor: Binary Editor Analyzer [F11]

Universal X Tone: Universal tone decoder (fully configurable)

MFSK Universal: Universal MFSK decoder (fully configurable)

New R38, R39-1 and R39-2 demodulators: available in Universal Demodulator and Baudot

CRYP module : added to force different layouts in several modes (P1+2, Packet, PSK , Baudot, demod)

MIL188-110 Serial and Stanag 4285: terminal mode 5- and 8 bit synchronous bugfix.

Auto interleaver mode: added in Stanag 4285 and Stanag 4529 (with button). Remote command : "INTERLEAVESEARCH" is possible.

On success the return command on control socket is: 'Interleave found: xxx L / S'

New command added on Code300w.cfg

FAST_AUDIO_SELECT

Shows additional buttons on mainform for fast selection of different sound devices. Be carefully, not all functions are supported yet! If changes the audio card from these buttons also the clockcorr file related to the sound card are changes automatically. For having the new files of clockcorr for every installed sound card you proceed in this way :

- selects with the button the audio card that you want to calibrate, then uses the fax module for adjust the clockcorr as usual
- repeat this operation for all the sound cards audio you want to use

Valid options are FAST_AUDIO_SELECT=YES FAST_AUDIO_SELECT=NO

Small changes and bugfix

Morse: WPM window update under remote control fixed.

PSK31: added in autotest by baud speed and shift

ARQ-SWE: bug fixed in remote control (initialisation)

Piccolo 6: 20 baud now ok, test for other speeds in progress

TORG: baud rate fixed when started from autotest

PACTOR I: shows P mode if auto mode is selected

Phase Spectrum: cursor fixed, averaging+windowing fixed.

Correlation Mod and Correlation Mod VHF: changed, auto update of graphical part enabled.

Auto Classification: autoclass with ident_class_baud looks for counter > 10 in shiftbaud class-mil_141 included

Auto Classification: INMARSAT TDMA module added

Auto Classification: 2 more mil sub modes M110.

Auto Classification: Piccolo 6 40 Baud module added

Auto Classification: TORG 300 manually choice

Correlation Mod: small changes, reset button included, also in Shift Speed Measurement

Correlation Mod: new cursor

Mil modes: on bps and Correlation Mod.

MFSK Universal: number of tones increased up to 50, shift adjust with decimals possible

Generator: ARQ6-70 added (uses CCIR 342 instead of CCIR 476 in ARQ6-90/98)

PSK 31: in PSK31 and other modes where it is not necessary has been removed the second text file

New remote command: to change alphabet SETALPHABET=1..18 alphabet status controlled now by remote and IP

New remote commands: SHOWBINARY, SHOWNORMAL switch between binary or hex output and normal text output

ARTRAC, 81-81 COQ8, COQ8 ACEC (autostart): sync status control by LAN changed.

Show_binary with IP via remote for : Piccolo 6, Coquelet 8, ASCII, Stanag 4285, Stanag 4529, Psk10, Psk31, Psk 220, MFSK Universal, GW Dataplex, DGPS

Piccolo 6 and Piccolo 12: with sample_agc now, sync state = agc

Crowd 36, MFSK 18, MFSK 20, MFSK Universal: got sync by LAN and status connected to agc

Remote commands: for Audio LAN input stereo:

clock correction is possible for different sound devices on L and R

ReadCorrLANRight, ReadCorrLANLeft

will return the actual values, the first setting without calibration is the clock correction setting in Code300w.cfg

SetCorrLANRight=1.0000xxxxxxx , SetCorrLANRight=0.999999xxxxxxx (up to 16 digit) will change the settings.

These values are NOT stored, because they belong to the host sound device.

Bug in remote audio by lan fixed

Version 3.04

BACKGROUND_COLOR

If the file 'PREFERENCE_COLOR.TXT' is present in the main directory of CODE300-32, the two following lines contain the chosen back ground colors for graphical and text decoding modules:

BACKGROUND_COLOR_TEXT=123xxxxx (color values in hex format)

BACKGROUND_COLOR_GRAPHIC=123xxxxx

In main menu, setup, preferences, background_colors, one can select another color, the chosen color is written into this file. The file will be created if it doesn't exist.

Without this file CODE300-32 starts with the default values for color.

STANAG 4285, 4529, M188-110 ser and 39 tone:

Function "EOM disabled" added (mainly for synchronous modes) with remote command and button EOM.

Remote commands added: EOMActive / EOMInhibit enable/disable EOM. Default is EOMActive!

Remote commands:

Two Remote commands added:

"SCREENSHOT", generates bmp file in a graphical mode,

"SCREENSHOTTRANSMIT" generates and send a *.bmp file by LAN to a new port address (same data address, data port address + 4)

The screenshot is deleted after beeing transferred.

FLEX: 6400 mode bugfix

Phase Plane: center freq with 2 decimals, up to 22 Kc.

DCF77: small bug in input channel

Save text to disk : overwrite with confirm added

File: Filter in RTF dialog added

Directory DATA_AND_AUDIO_FILES:

CODE300-32 start directory not longer default for IP, BMP, TXT and RTF files

Choice now possible for choice of drive in Data path i.e. D:\AAA\data_dir

Audio recording: Audio recording works with a 'pre-recording' to prevent loose of data while opening the recording tool to hard disk, the full buffer content is added to the begin of each recorded file.

For voice recording this facility may give problems, so it can be disabled now.

Disabling / Enabling can be done in the following three ways:

1. Configuration file sets the default value (On / Off = Data / Voice):

- PRERECORD=YES enables data recording

2. Setup / Preferences Menu in mainform allows local change of the setting without restart of CODE300-32:

- Enable / disable the setting simply

3. Two remote controls are added to enable/disable this pre-record:

- PreRecordOn / PreRecordOff

toggles the value by remote, the actual setting is confirmed by a return status:

- Voice Recording / Data Recording

The status of the Preference menu is updated by remote command too

Bitstream: MIL modes + STANAGS flush last <8 bits if bitstream is enabled. Works while closing module. Also by remote command "FLUSHOUTPUT" possible, maybe usefull sometimes.

STANAG 4285, 4529, M188-110 serial and 39 tone:

EOM disabled (mainly for synchronous modes) with remote command and button EOM.

Remote commands EOMActive / EOMInhibit enable/disable EOM. Default is EOMActive!

Sound Card: fix mixer problem now icon on main menu recall the mixer of the sound card selected

Center Frequency: set until 22 kHz

EPIRB: Baudrate selection added

MFSK Universal: added, use MFSKxxx.MXT file for define you own module

Coquelet Demodulator: now use xxxxx.COQ file for define you own module

Version 3.03

VHF Selcall: 5-tone discriminator output data by LAN

Center Frequency: all modes with center frequency up to sample speed/2 -500 Hz enables direct DAT input of 12 Khz IF

Baudot: first tuning grid enabled before auto baudot, reduces delay in FFT

FFT in mainform: grid scale reduced at zoom and higher sampling rate

Remote : add new command "Connect_Request=YES" in config file:

a message box appears in C300-32 while a remote control socket connection is made.

'Yes' accepts connection, 'No' disables and sends message 'no connection allowed at this moment',

'Try later' disconnects and sends message 'no connection allowed, Try later'.

Universal COQ8: demod: with preset coq tables, load, unload, ITA2 and ITA5 tables editing

ACG: Demodulator and BIT Analysis with AGC, suppresses output without signal.

Bit Analysis: new screen type

Country List: EPIRB, GMDSS, GMDSSa with external country list (GMDSSLIST.TXT)

Keyboard : KEYBOARD_EMUL=YES added in config file to enable/disable keyboard commands as default.

Override by manual setting in preferences is possible while running Code300-32

Universal Demodulator:

Demodulator: SEARCHLIST.TXT added in Replace and Search modules (DEMOM, BITEDITOR)

Demodulator: few bugs in IP setting, new IP's are necessary!!!

Demodulator: coq demod added, new search and replace function

Ita2 table in coq demod, ascii table in demod only

Demodulator: Bit Steram output now available also in this module

Custom table: increased to 10, now load WITH extension ASCII_TBL as saved by Mapper

AGC: MFSK modes and M110xxx, s4285 s4529 agc_gain: real in single!

MFSK Universal: module added, uses external tables for all details like:

qty tones, tone mapping table, CF, Shift, Baud rate, EOM-,SOM-, Blocksync- and Special String

MFSK 18 added

MFSK 16 added

MFSK oscilloscope added

RF7B with variable speed and shift, plus hex output marker

CW F1B added

ZVEI - I 13 BIIS added

DGPS in progress.....works in beta now, external station list included. No further details will be shown, only identification!

Waterfall module: old cursor value in zoom modes fixed

Baudot: Baudot and Baudota no baud measurement if in autotclass

Autoclassifications: RUS Baudot added

Autoclassifications: module with external table (CLASSTABLE.TXT) shows all parameters

Modulation Classifier: DPSK2 added test!

Text Finder: TEXTSCANLIST.TXT in all textfinder modules

Diversity - all the following items are under test

Diversity Oscilloscope : in old ANALOGUE OSCILLOSCOPE, incl. difference measurement L-R

Diversity: FSK added in old way for most modes, Baudot FSK and FEK

Diversity: Pac1 and 1a button for control character and/or rep blocks added,

brute force diversity for EXTENDED mode start with PACTOR I, more follow...

PACTOR II: Add KNOWNCRCS2.txt for PACTOR II (extended version only)

Inmarsat: Update INMARSATCES.txt

Version 3.02

INMARSAT C TDMA added
INMARSAT C TDM improved
GW Dataplex added
TEXT Scanning improved

Version 3.01

STANAG 4285 and 4529 Synchr. 8 and Synchr. 5 bit terminal mode in
two channel mode minor bug fixed, s/n increased
Pactor 3 characters selcall implemented
Auto tune center frequency without signal to default value
Serial port minor bug fixed
Mil 188-110 Serial Synchr. 8 and Synchr. 5 bit terminal added

Version 3.0

- All modes with new speedbuttons with icons.
- Separate buffer replay for each mode allows real multitasking.
- Left button replays full buffer, '5' button in steps. of appr. 5 seconds.
- Background color and font size/color for text modes, background
- Color and pen color in graphical modes can be chosen in most modules and in PRESET Preferences for a complete session.

Following modes can be started twice in optional **EXTENDED VERSION**:

CW, Sitor, Baudot, Packet, ASCII, Pactor I, Pactor II, M188-110ser, M188-11039t, M188-141, STANAG 4285, 4529, PSK31, ARQ IRA, GMDSS, HF DL, POCSAG, FLEX, ARQE, Skyfax

Please note: CW can start twice also in the normal version.

RTTY Table

Each mode (if there is a technical requirement) has his own RTTY codetable that is editable with Font Editor.

The saved custom table gets the extension of the alphabet type that was used in this mode, i.e. *.ITA2_TBL in case of Baudot.

One can load one of these custom tables also by remote control or via custom menu.

Save the decoding module with custom type 1..5 chosen in ALPHABET choice, i.e Baudot with Customtype1.

You should edit and save the necessary RTTY table with the font editor before.

Table files that are used under remote control (loaded by IP) don't need an extension, they must be renamed into CUSTOM TABLE1 ...CUSTOM TABLE5 in the same TABLE directory, otherwise they cannot be loaded, their extension must be removed therefore.

The program will select the correct table type because it is saved in the header of this table file.

All rty tables are written into directory TABLES.

SubDirectory 'TABLES' and 'Freq_Used_Modes' are generated automatically now.

This is done automatically if the **default data directory** not exists. For an update remove or rename the existing data directory before CODE300-32 is started, all directories will be created then.

.IP 'FREQ_USED_MODES' directory contains all 'local' IP's for a custom made menu.

Saving an IP is changed: if menu combobox in mainform is open (custom menu), each IP is saved into the directy '**freq_used_modes**' with users- or default name, but without the extension IP. Otherwise IP is saved into standard data directory with the 'IP' extension.

CustomLog.Txt: this file must be present in the CODE300-32 main directory and may contain a string with up to 50 Characters.

This text will be added to each logging string if a file is written to disk, after the standard parameters like baudrate, shift etc., (if this function was enabled in CODE300W.CFG).

New Remote Control commands are added:

'**QParams**', followed by a slash and the mode number 1..6 is used to ask the actual parameters of each running mode by LAN.

'**SetFocus**', followed by a slash and the mode number 1..6 is used to give the focus to any running mode. Only the active mode sends his spectrum display and tuning markers by LAN (if activated).

Changing the focus changes the active tuning aid therefore.

A new module, **MODULATION CLASSIFIER**, is added as a beta version.

The functions and modes will be increased in the next few months.

Some actions are functional now, i.e. 'noise' can start the receiver scan by a LAN command, 'FSK2' can stop the scan and start Auto Class mode if requested.

Two new commands are added therefore: **StartReceiverScan** and **StopReceiverScan**.

These commands are sent by LAN for further custom purposes.
Audio recording is always opened while this module is running, but with temp hold as default.
This opens one audio file only, even when the recording is activated and deactivated several times.

MIL 188 110 39 Tones: bitstream output redesigned, now ok
Edit Form new design, small bugs fixed
Generator: TDM 342 / 242 was changed
Pactor 1 bug fixed
Shift Speed Measurement: Baud measurement improved

All modes will close under XP now, also with audio / LAN
///// ***** Thread.FreeOnTerminate := True;** disabled in start remote stopping:=true
***** Thread.WaitFor;** hereafter additional: *****Thread.Free;**
In messengeremotehandler stopping:=true, postmessage to close form instead of form.close

Cursor values in waterfall, phase spectrum

Comport added for serial output of data, must be in CODE300W.CFG added:
Comport_1 to comport_4, baudpseed 300, 1200, 2400, 4800, 9600, 19200, 38400, 76800, 115200
always 8N1;

shift_table local now in all modes
show_full_ascii in all (ASCII) modes by remote
All settings by IP for : ASCII, Merlin, Num13, Aum13, PSK 31
Demodulator: limited to 39 tones
HFDL sita flight details in remote
SKYFAX all details in IP
Crowd 36 with squelch now
MFSK20 added
INMARSAT TDM channel added
In all modes: close command postmessage files closed and decoder closed replaced with SENDMESSAGE
Demodulator: arrays filled with 0 at start, limited to 39 tones
MIL 188 110: arrays filled with 0 at start
Character Counter added 20 custom characters, in a few modes a new 256 char counter as beta
Keyboard Emulator: commands in preferences on / off
init_text_to_disk replaced at end of start routine
save text to disk if module was opened by autoclass is fixed herewith
PICCOLO 6 saves into two separate files now (again)
Callsign to LAN: ALE, CODAN8580, Skyfax, GMDSS, other in progress
Skyfax bug in tuning grid fixed
Start with single mode: add SINGLE_THREAD=YES in config.file
Twinplex fixed in FEK mode
Phase Constellation added, autotuning working (fairly) well.
FFT zoom with waterfall fixed, fx cursor and time cursors fixed (mode must be in temp-hold)
MIL 188 110 39 Tones: tuning bug, grid was fixed to CF (for another purpose)
Pactor shows callsign, also output by LAN
Record on via remote control bug, fixed
Save_to_disk files extension changed from *.txt into *.RTF, all parameters and custom file included, now in all modes
FEK mode minor bug in combination with some dongles fixed
HFDL offset correction increased

Version 2.1

- CODAN 8580 as beta version included under SELCALL
- Last cosmetic bugs fixed in some modules.
- AFP new cursor model
- Baudot and Ascii baudrate/shift tables modified
- New online help for all modes and tools, necessary for all versions > 2.05

Version 2.0

- Remote start added
- CODE3_REMOTE_START.EXE can be called from any third party program, (server port +1).
- Must be in same directory as CODE300-32.EXE
- Start this program together with WIN/NT, it does not use any CPU resources.
- Optional Bit Stream output by LAN for 2 MIL188-110 modes and both STANAG's.
- Synop decoding enabled now, only station list is still old...

In configuration file added:

- center_fx_measured_as_default=YES / NO starts each mode with measured center fx / shift
- raw_ascii_save= YES / NO opens separately RAW_ASCII file for saving to disk with ALL 256 characters
- keep_recording_after_mode= YES / NO keeps audio recording after closing other modules
- Auto_tuning=Yes/No

Keyboard commands added in mainform:

[a] audio on
[h] temp hold
[p] pause record
[r] record on / off
[t] auto-tuning on
[z] buffer to zero

keyboard commands in all modules (if necessary):

[b] manual input of baud rate (incl. leading zero)
[c] manual input of center frequency
[s] manual input of shift

other keyboard commands are: (if available)

[a] ATC, automatic tuning control oin FEK mode
[l] letter shift
[f] figure shift
[m] change mark space
[h] temp hold
[u] toggle unshift on space, shift on space
[o] output to disk on / off

Bugs fixed:

- - Opens ITA2 Tools No Display Text.
- VISEL - Loads wrong font file.
- - Sets White FFT Filter to 3691Hz Should be 1191Hz.
- 3195 - Shows 'Frost1' at top of module when starting. On timestamp line.
- PICC12 - Shows Yellow FFT Filter over tones 7&8 not 1&12.
- PICC6 - Shows Yellow FFT Filter over tones 3&4 not 1&6.

- OSC AFP - Waveform not central on center screen when using a WIDE SHIFT
- CORR MOD - Open CORR MOD (fft shows COR MOD) open CORR BIT, close CORR BIT,
- Twinplex - shift settings

- Bug fix while closing with Exit under W2000
- Font table eitor now for all alphabets, also in multitasking
- Textscan in all modes, also multitasking, extended with audio rec ON / OF, text to disk ON/OFF
- In all modes alphabet choice voor Fontedit (0-5) included, opens correct RTTY alphabet

Version 1.8

- IRA ARQ change_shift added, sync status (true) removed
 - All modes with variable baud speed 'chaneg shift' added
 - Helpfiles for table editor and text editor
 - On line help fixed for all modes and tools
 - Oscilloscope now change_shift
 - Demodulator now with new cursor
 - Bit Analysis now with new cursor
 - Oscillocope cursor changed
 - Correlation Mod key input + button status
 - All mode names in mainform corrected if mode opened
 - Center-fx to different modes fixed, always set to last opened mode now.
 - All modes in normal mode same height of richedit
 - All modes focus to richedit to enable scrolling in upper screen by default
 - All modes start with default fontset (common C300-0)
 - Phase Spectrum cursor different way, cosmetical bugs fixed.
 - RTTY tables can be used to manipulate all data output, even possible under remote control.
 - See for new commands the online help.
 - Oscilloscope, EYE, AFP, label colour if center_meas as default
 - Auto tuning added for all modes with variable settings for shift and center fx, can be disabled in main menu, setup, preferences
 - FSK speed measurement increased to 2500 baud, in two steps
 - In all modes system_name:= mode [choice]
-
- Remote start added. CODE3_REMOTE_START.EXE can be called from any third paty program, (server port +1). Must be in same directory as CODE300-32.EXE. Start this program together with WIN/NT, it does not use any CPU resources.
 - Optional Bit Stream output by LAN for 2 MIL188-110 modes and both STANAG's.
 - Synop decoding enabled now, only station list is still old...
- In configuration file added:**
- center_fx_measured_as_default = YES / NO starts each mode with measured center fx / shift
 - raw_ascii_sav e= YES / NO opens separately RAW_ASCII file for saving to disk with ALL 256 characters
 - keep_recording_after_mode = YES / NO keeps audio recording after closing other modules
 - Auto_tuning = YES /NO enable /disable Auto tuning function
-
- Font table eitor now for all alphabets, also in multitasking
 - Textscan in all modes, also multitasking, extended with audio rec ON / OF, text to disk ON/OFF
 - In all modes alphabet choice voor Fontedit (0-5) included, opens correct RTTY alphabet

Do you need Help ?

Please do not hesitate to contact your local dealer or HOKA NL directly hoka@hoka.net

last update 04/06/2008