



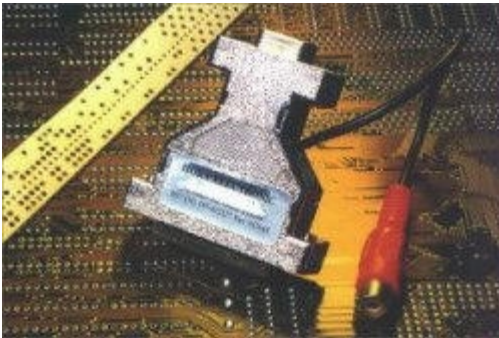
HOKA ELECTRONIC (NL)

HF Data Communications Consultants

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CODE3 Gold Professional **The monitoring tool used by professionals**

Software for DOS, Windows 95 and Windows 98 - last release available v 1.2



The CODE3 Gold Professional "LF5"
Interface can be used in either a
9 or 25 way serial connector !

The same modes and tools as C3-GOLD, but all ANALYSIS TOOLS you'll need for serious radio monitoring on professional level!

- No power supply needed! All power derived from PC.
- Both 9way and 25way serial connectors supported
- Miniature construction. Whole interface fits into a standard RF shielded 9way to 25 way serial cable connector adaptor box.
- Fully screened interface box. Limits RFI/EMI!
- Runs on all PC's with a 386DX40 or more. 486 HIGHLY recommended. Minimum of VGA only supported (SVGA with Tseng ET4000 chip set highly recommended - especially for reception of SSTV). Like all modern programs, the more memory and processor power you can throw at it the better. It is also highly recommended that the latest 16550 Serial Port UART chips are fitted.
- CODE3 Gold Professional does run in a DosBox of Win95/98 in fore- and background (with Pentium 100 or better).
- All ACF Analysis tools incl. Auto-Classification 'Scope and ASCII Save to Disc.
- If you're an expert and want to start analysing signals in very close detail
- CODE3 GOLD Professional is the 'low cost' CODE30!
- Audio Spectrum Analyzer e Shift Speed Measurement AD !
- Waterfall Display ! (sonogram)
- Phase Plane !

Code3 Gold Professionale uses the very best of software DSP filtering and detection technology (borrowed from our professional Code30) and the very latest surface mount miniaturized electronics for the hardware interface. The performance is stunning, the compactness remarkable and the price is simply unbelievable!

HF Systems

- ASCII ITA5, 45 - 2400 Baud
- Baudot ITA2
- Morse CW
- Sitor Auto A/B Sitor with auto-detect. A / B Mode
- ARQ CCIR 625 A
- FEC CCIR 625 B
- Pactor with 7 different variants ! : HAM, ICRC, UN, Mil, IFRC, ecc.
- Packet Radio AX 25 HF 300 Baud VHF/UHF 1200 Baud
- Hellsreiber
- Facsimile AM/FM
- SSTV Martin 1 mode Slow Scan TeleVision
- PICCOLO MK VI MFSK 6 tones ITA2
- PICCOLO MK VI MFSK 12 tones ITA5
- COQUELET 8 MFSK 8 tones ITA2
- COQUELET 13 MFSK 13 tones ITA5
- CROWD 36 / CIS 36 MFSK 36 tones
- PSK 31
- Annex 10 Aereo Selcall HF
- AUTOSPEC FEC 68.5 e 137 Baud Bauer alphabet
- SPREAD 11 21 51
- ARQ 6 70 CCIR 476 alphabet ITA3
- ARQ 6 90/98 CCIR 476 Variant CCIR 476
- ARQ E
- ARQ N
- ARQ E3 CCIR 519
- ARQ S ARQ 1000 S
- ARQ SWE with 3/9/22 crc
- ARQ POL
- DUP ARQ
- HC ARQ
- RAC-ARQ/Merod
- RS-ARQ / ALIS 228.5 Baud mode 5/7/8
- RS-ARQ II / Merlin / ALIS II 240 Baud mode 5/7/8
- CIS 14 / AMOR
- 8181
- TOR G10-11 / CIS 11
- G-TOR
- GMDSS (HF e VHF) (DSC) Global Maritime Distress Safety System
- Baudot F7B 2ch ITA2 F7b
- TWINPLEX ARQ F7b1 - F7b6
- FEC A FEC 100
- FEC S FEC 1000 S
- HNG FEC
- ROU FEC
- TDM ARQ 342 1/2/4 ch
- TDM ARQ 242 1/2/4 ch
- DCF 77
- Dirty Sitor A
- FEC 100 RAW
- FEC 100 Interleave
- WX decoder meteo SYNOP AAXX e BBXX from
- Baudot, ARQ-E3, TORG 10-11 / CIS11

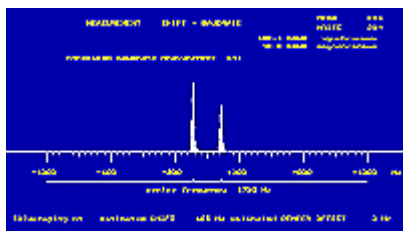
VHF/UHF Systems

- ACARS VHF Aircraft Communications Addressing and Reporting System
- ATIS 1200 Baud
- CCIR 1 selcall
- CCIR 2 selcall
- CTCSS
- DCSS
- DTMF
- ERMES VHF Pager
- MTP 1327
- EURO 5 tones selcall
- FMS-BOS 1200 Baud
- FLEX/REFLEX New Pager Systems
- Pocsag Cityruf 512/1200/2400 Baud
- ZVEI 1 selcall
- ZVEI 2 selcall

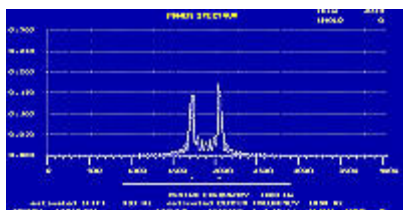
Alphabets

- International ITA 2
- US MIL
- National Scandinavian
- GREEK 3 Shift
- Hebrew
- M19 Cyrillic
- M19 Latin
- M2 3 Shift Cyrillic
- M2 3 Shift Latin
- Arabic 70
- Arabic 70 Latin
- Arabic 80
- Arabic 80 Latin
- Amateur Upper/Lower

Analysis TOOLS



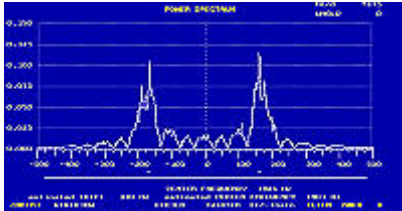
Shift Speed Measurement



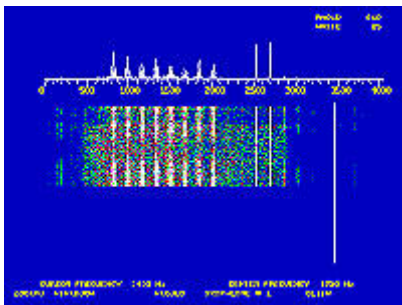
Power Spectrum 0 a 4 kHz



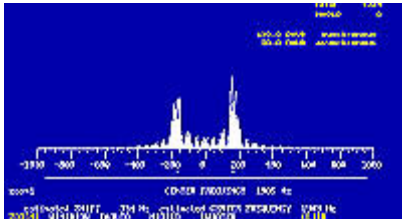
Power Spectrum 0 a 4 kHz, with ZOOM 1 +- 1000 Hz



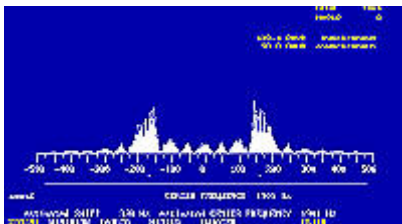
Power Spectrum 0 a 4 kHz, with ZOOM 2 +- 500 Hz



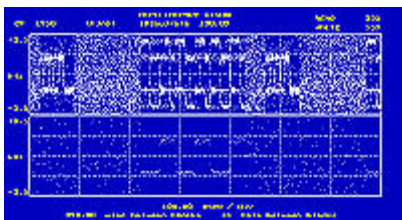
Waterfall Display 0 - 4 kHz, with ZOOM



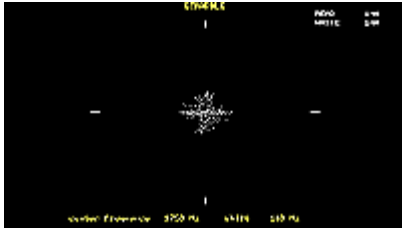
AD Spectrum with ZOOM 1



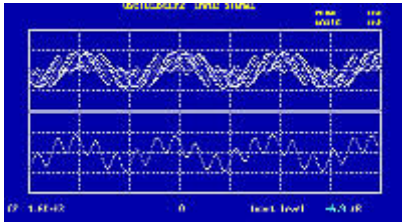
AD Spectrum with ZOOM 2



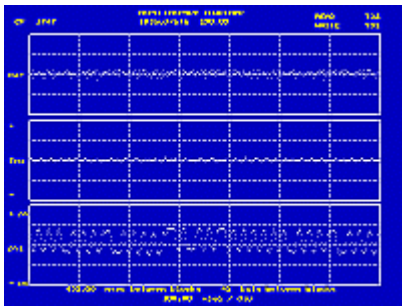
Oscilloscope



Oscilloscope XY



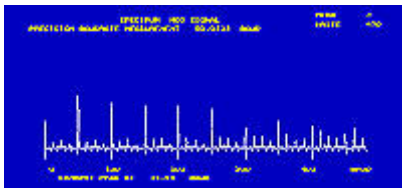
AD Scope



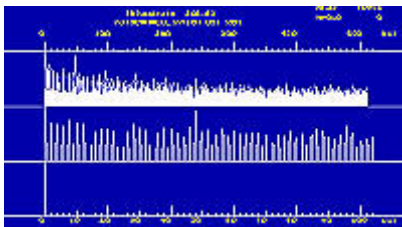
Oscilloscope AFP Amplitude, Frequency, Phase



Phase Plane



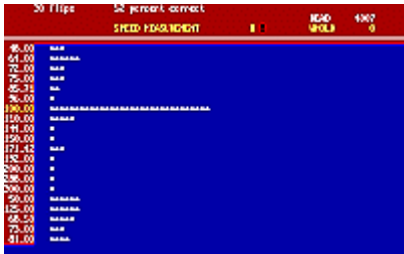
Correlation MOD



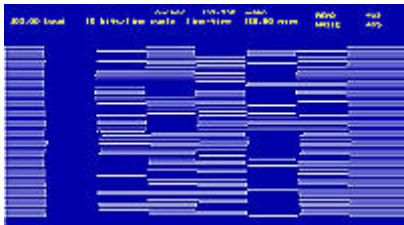
Correlatin Bit



Sped Measurement Mark / Space



Speed Measurement Preset



Speed Bit Analysis



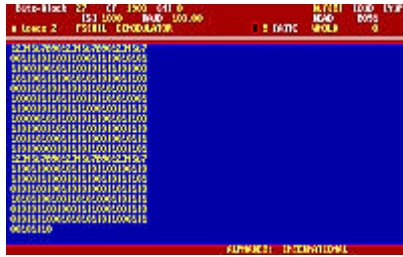
Bit Analysis



Characters Analysis Duplex



Characters Analysis Simplex



Demodulator

- Bit Buffer: Another unique feature to CODE3 Gold Professional is the ability to save all incoming RAW digitised audio to disc (eg: with 16 Mb you can recorder around 30 minutes) for later analysis! A complete DAT recorder/player in one decoding system. This record/play facility can also be used for any kind of audio signal, CW, FSK, PSK, xxPSK, MFSK, ecc. ecc. This function is available only under in "Real" DOS mode.
- Auto-Classification with bit analysis and baudspeed
 - SITOR A in 'ISS', SITOR A in 'IRS'
 - SITOR B FEC 625 B
 - CCIR 242 a 2 Ch. (ARQ-M2-242)
 - CCIR 242 a 4 Ch. (ARQ-M4-242)
 - CCIR 342 a 1 Ch. (ARQ- E3)
 - CCIR 342 a 2 Ch. (ARQ-M2)
 - CCIR 342 a 4 Ch. (ARQ-M4)
 - ARQ-E
 - ARQ-E3
 - FEC-A
 - FEC-S
 - ARQ6-70
 - ARQ6-90
 - ARQ6-98
 - POL-ARQ
 - SWED-ARQ
 - TOR-G 10
 - TOR-G 11
 - ARQ-S-4
 - ARQ-S-5
 - ARQ-S-6
 - BAUDOT with 1, 1.5 and 2 stop bit

Classifications by speed only

- COQUELET 13 MK1
- PICCOLO MK6
- CROWD 36
- 81-81
- SOVIET 84
- ROU-FEC
- NATO 75
- AUTOSPEC
- ARTRAC
- ARS-GUARD
- RS-ARQ
- HC-ARQ
- MEROD / RAC-ARQ
- PACKET HF
- 35-50

