

Decoderlist v26.2

for go2MONITOR, go2MONITOR LOW-SWAP and go2DECODE

Standard Decoder Package included	HF Decoders	Page 2
	VHF/UHF Decoders	Page 14
PMR Decoder Package* set of PMR and SAT recognizers, demodulators and decoders purchasable as additional option	SAT Decoders	Page 17
	PMR Decoders	Page 18
MIL Decoder Package** set of military demodulators and decoders purchasable as additional option	MIL Decoders	Page 19

EXPORT

* Set of PMR and SAT demodulators and decoders: In case of export from the European Union, formal export approval is necessary and an End-User Certificate is required to be submitted. If the final destination and end-use is within a country listed in the general approval EU001 of the European Union in its current version, an informal written notice, sent to PROCITEC, is sufficient.

** Set of military demodulators and decoders: In case of export from the Federal Republic of Germany, formal export approval is necessary and an End-User Certificate is required to be submitted.

INFORMATION

- Only one decoder will be delivered for modems with several (alias) names. white line = primary modem name; grey line = alias name
- Src* = availability of decoder source code depends on product
- This list contains decoders for signals that may be perceived as no longer "on-air". PROCITEC continues to deliver these decoders due to limited but continuing use of these emission-types by unorthodox user-groups.

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
ACARS HF	HFDL			X
Alcatel 801H		detection only	alcatel_801h	X
ALE 2G			ale	X
ALE-400			ale	X
ALIS			alis	X
ALIS 2			alis2	X
AMOR	CIS-14			X
AMOR 96	CIS-14			X
AMTOR	SITOR-A			X
Annex-10	SELCAL ICAO			X
ARINC 635	HFDL			X
ARQ-1000 duplex	ARQ-E/ARQ-N			X
ARQ-28	ARQ-M2 242/ARQ-M4 242			X
ARQ-56	ARQ-M2-342/ARQ-M4-342			X
ARQ6-90			arq_6-90	X
ARQ6-98			arq_6-98	X
ARQ-E Cyc4			arq_e_cyc4	X
ARQ-E Cyc8 96Bd 192Hz			arq_e_cyc8	X
ARQ-E Cyc8 185Bd 370Hz			arq_e_cyc8	X
ARQ-E3 50Bd 400Hz			arq_e3	X
ARQ-E3 100Bd 400Hz			arq_e3	X
ARQ-E3 48Bd 170Hz			arq_e3	X
ARQ-E3 48Bd 270Hz			arq_e3	X
ARQ-E3 48Bd 300Hz			arq_e3	X
ARQ-E3 48Bd 400Hz			arq_e3	X
ARQ-E3 48Bd 850Hz			arq_e3	X
ARQ-E3 72Bd 400Hz			arq_e3	X
ARQ-E3 96Bd 170Hz			arq_e3	X
ARQ-E3 100Bd 850Hz			arq_e3	X
ARQ-E3 192Bd 400Hz			arq_e3	X
ARQ-E3 200Bd 400Hz			arq_e3	X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
ARQ-E3 288Bd 400Hz			arq_e3	X
ARQ-E3 288Bd 850Hz			arq_e3	X
ARQ-M1	ARQ-E3			X
ARQ-M2-242			arq_m2_242	X
ARQ-M2-342 96Bd 400Hz			arq_m2_342	X
ARQ-M2-342 200Bd 410Hz			arq_m2_342	X
ARQ-M4-242			arq_m4_242	X
ARQ-M4-342			arq_m4_342	X
ARQ-N			arq_n	X
ARQ-S	SI-ARQ			X
ARQ-SWE	SWED-ARQ			X
ARTRAC	DUP-ARQ			X
ASCII 7Bit 75Bd 850Hz			ascii_7bit	X
ASCII 7Bit 100Bd 173Hz			ascii_7bit	X
ASCII 7Bit 110Bd 170Hz			ascii_7bit	X
ASCII 7Bit 171Bd 420Hz			ascii_7bit	X
ASCII 7Bit 180Bd 500Hz			ascii_7bit	X
ASCII 7Bit 200Bd 300Hz			ascii_7bit	X
ASCII 7Bit 200Bd 400Hz			ascii_7bit	X
ASCII 7Bit 300Bd 170Hz			ascii_7bit	X
ASCII 7Bit 300Bd 400Hz			ascii_7bit	X
ASCII 7Bit 600Bd 480Hz			ascii_7bit	X
ASCII 8-1-2 180Bd 500Hz			ascii_8bit	X
ASCII 8-1-1 300Bd 180Hz			ascii_8bit	X
AUTOSPEC			autospec	X
Baudot async 1.5 Stopbit 50Bd 85Hz			baudot	X
Baudot async 1.5 Stopbit 50Bd 170Hz			baudot	X
Baudot async 1.5 Stopbit 50Bd 200Hz			baudot	X
Baudot async 1.5 Stopbit 50Bd 450Hz			baudot	X
Baudot async 1.5 Stopbit 50Bd 850Hz			baudot	X
Baudot async 1.5 Stopbit 75Bd 340Hz			baudot	X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
Baudot async 1.5 Stopbit 75Bd 400Hz			baudot	X
Baudot async 1.5 Stopbit 75Bd 500Hz			baudot	X
Baudot async 1.5 Stopbit 100Bd 200Hz			baudot	X
Baudot async 1.5 Stopbit 100Bd 400Hz			baudot	X
Baudot async 1.5 Stopbit 100Bd 850Hz			baudot	X
Baudot async 1.5 Stopbit 150Bd 500Hz			baudot	X
Baudot async 1.5 Stopbit 180Bd 500Hz			baudot	X
Baudot F7B	TWINPLEX			X
Baudot sync 200Bd 850Hz			baudot	X
Baudot sync 2 stopbit 50Bd 450Hz			baudot	X
Baudot sync 2 stopbit 75Bd 500Hz			baudot	X
Baudot universal 50Bd 650Hz			baudot	X
Baudot universal 75Bd 850Hz			baudot	X
BEE	CIS-36-50			X
BELL 103	ASCII 8-1-1 300Bd 180Hz			X
BF6 Baudot	TWINPLEX			X
BULG-ASCII 75Bd 510Hz			bulg-ascii	X
BULG-ASCII 120Bd 500Hz			bulg-ascii	X
BULG-ASCII 150Bd 500Hz			bulg-ascii	X
BULG-ASCII 180Bd 500Hz			bulg-ascii	X
BULG-ASCII 300Bd 500Hz			bulg-ascii	X
CCIR 242	ARQ-M2 242/ARQ-M4 242			X
CCIR 342	ARQ-M2 242			X
CCIR 342-2	ARQ-M4 242			X
CCIR 476 A/B	Sitor A/Sitor B			X
CCIR 493-4	CODAN Selcal			-
CCIR 518 Variant	SWED-ARQ/ARQ6-90/ARQ6-98/POL-ARQ			X
CCIR 519 Variant	ARQ-E3			X
CHN MIL 4FSK 400Hz		detection only	chn_mil_4fsk	X
CHN MIL 4FSK 500Hz		detection only	chn_mil_4fsk	X
CHU			chu_fsk	X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
CHP-200	CHX-200			X
CHX-200		detection only	chx-200	X
CIS 10 11 11	CIS 36			X
CIS-11			cis-11	X
CIS-12 PSK2			cis-12	-
CIS-12 PSK4			cis-12	-
CIS 150Bd SELCAL	CIS Selcal FSK 150/200			X
CIS-14			cis-14	X
CIS-20	CIS-12			-
CIS-3000		detection only	cis-3000	X
CIS-36			cis-36	X
CIS-36-50 50Bd 75Hz			cis-36-50	X
CIS-36-50 50Bd 125Hz			cis-36-50	X
CIS-36-50 50Bd 250Hz			cis-36-50	X
CIS-36-50 50Bd 500Hz			cis-36-50	X
CIS-50-50 50Bd 200Hz			cis-50-50	X
CIS 40.5	CIS 405 3915			X
CIS 405 3915			cis_405_3915	X
CIS-75 FSK 75Bd 200Hz		detection only	cis-75	X
CIS-75 FSK 75Bd 250Hz		detection only	cis-75	X
CIS-75 FSK 75Bd 500Hz		detection only	cis-75	X
CIS 81	CIS 81-81			X
CIS 81-29	CIS 81-81			X
CIS-81-81			cis-81-81	X
CIS Akula 500Bd/1000Hz			cis-akula	X
CIS AT3104	CIS-12			-
CIS BPSK 1200Bd		detection only	cis-1200	X
CIS FSK 200/500			cis-fsk	X
CIS FSK 200/1000			cis-fsk	X
CIS Hybrid MFSK-68 PSK-9000		no automatic recognition	cis_mfsk68_psk9000	-
CIS Hybrid MFSK-80 PSK-250		no automatic recognition	cis_mfsk80	-

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
CIS MFSK-7			cis-mfsk7	X
CIS MFSK-11			cis-mfsk11	X
CIS MFSK-16 33Bd		detection only	cis-mfsk16	-
CIS MFSK-16 66Bd		detection only	cis-mfsk16	-
CIS MFSK-66	CIS Hybrid MFSK-68 PSK-9000			X
CIS-45 OFDM 33.3Bd		detection only	cis-ofdm	X
CIS-45 OFDM 40Bd		detection only	cis-ofdm	X
CIS-112 OFDM Burst		detection only	cis-ofdm	X
CIS-112 OFDM Stream		detection only	cis-ofdm	X
CIS-128 OFDM 3kHz		detection only	cis-ofdm	X
CIS-128 OFDM 6kHz		detection only	cis-ofdm	X
CIS Selcal FSK 150/200		only single bursts are decoded	cis-selcal	X
Clansman FSK 300Bd			clansman	X
Clover II			clover_II	-
Clover 2000			clover_2000	-
Clover 2000 Broadcast			clover_2000broadcast	-
Clover 2500			clover_2500	-
Clover 2500 Broadcast			clover_2500broadcast	-
CODAN 3012 Chirp			codanchirp	-
CODAN Selcal			codan_selcall	-
CODAN 3012 16 Channel PSK		raw hex output descrambled		-
CODAN 3212 16 Channel PSK		Includes CODAN 3012	codan3212	-
CODAN 3212 1 Channel		150, 300, 600 and 1200 bps	codan3212	-
CODAN 3212 1 Channel HDR		2400, 3600, 4800, 6000 and 7200 bps	codan3212	-
CODAN 3212 1 Channel 75bps		75bps	codan3212	-
CODAN 8580	CODAN Selcal			-
CODAN 9001 Chirp	CODAN 3012 Chirp			-
Contestia 8/250			contestia	X
Contestia 16/500			contestia	X
Contestia 32/1000			contestia	X
CROWD-36	CIS-36			X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
Coquelet-13 75ms			coquelet-13	X
Coquelet-13 50ms			coquelet-13	X
Coquelet-8			coquelet-8	X
Coquelet-8 FEC	Coquelet-80			X
Coquelet-80			coquelet-80	X
Coquelet-100	Alcatel 801H			X
Coquelet-Mk1	Coquelet-13			X
Coquelet-Mk2	Coquelet-8			X
CRY2001		detection of FSK sync only	cry2001	X
CW-Morse	Morse			X
Datowell Buoy 2FSK HF Link		detection only	buyos	X
DGPS 200Bd			dgps	X
DGPS 100Bd			dgps	X
Digital Radio Mondiale			drm	-
DominoEX 4		only for nominal frequency mode	dominoex	X
DominoEX 5		only for nominal frequency mode	dominoex	X
DominoEX 8		only for nominal frequency mode	dominoex	X
DominoEX 11		only for nominal frequency mode	dominoex	X
DominoEX 16		only for nominal frequency mode	dominoex	X
DominoEX 22		only for nominal frequency mode	dominoex	X
DPRK ARQ 600Bd			dprk-arq	-
DPRK ARQ 1200Bd			dprk-arq	-
DPRK PSK 150Bd		detection only	dprk-psk	X
DPRK PSK 300Bd		detection only	dprk-psk	X
DPRK PSK 600Bd		detection only	dprk-psk	X
DPRK PSK 1200Bd		detection only	dprk-psk	X
DSC-HF 170Hz			dsc-hf	X
DSC-HF 500Hz			dsc-hf	X
DUP-ARQ 125Bd 170Hz			dup-arq	X
DUP-ARQ 250Bd 850Hz			dup-arq	X
DUP-ARQ-2	DUP-ARQ 250Bd 850Hz			X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
DUP-FEC-2 125Bd			dup-fec-2	X
DUP-FEC-2 250Bd			dup-fec-2	X
ENAGAL Buoy HF Link		detection only	buyos	X
F01	CIS FSK 200/500			X
F06/F06a	CIS FSK 200/1000			X
Fax Group 3		V.21, V.27ter, V.29, V.17 (partial)	fax	-
FEC-A 145Bd 850Hz			fec-a	X
FEC-A 96Bd 85Hz			fec-a	X
FEC-A 96Bd 200Hz			fec-a	X
FEC-A 96Bd 400Hz			fec-a	X
FEC-A 192Bd 400Hz			fec-a	X
FEC-A 192Bd 850Hz			fec-a	X
FEC-S	SI-FEC			X
FEC12	Visel			X
FEC 100	FEC-A			X
FEC 101	FEC-A			X
FIRE	CIS-12			X
FreeDV HF			freedv	-
Frost	CIS 81-81			X
FROST1	CIS 405 3915			X
FT-8			ft8	X
FT-4			ft4	X
Globe Wireless FSK 100Bd			gw_fsk	X
Globe Wireless FSK 200Bd			gw_fsk	X
Globe Wireless PSK			gw_psk	X
Globe Wireless OFDM		detection only	gw_ofdm	-
Globe Wireless Pactor	Globe Wireless FSK/PSK			X
GMDSS	DSC-HF			X
Golay	G-TOR			X
G-TOR 300Bd 180Hz			g-tor	X
G-TOR 100Bd 200Hz			g-tor	X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
G-TOR 200Bd 200Hz			g-tor	X
GW DATAPLEX	Globe Wireless FSK/PSK			X
HFDL			hfdl	X
HF-FAX		only for nominal frequency mode	hf_fax	X
HNG-FEC			hng_fec	X
IRA-ARQ	BULG-ASCII			X
ITA-2 Twin	TWINPLEX			X
Japanese Slot Machine		detection only	jsm	X
KG-STV			kg_stv	-
Maritime Mesh Network Traffic Management		detection only	maritime_mesh	X
MERLIN	ALIS			X
MEROD 100Bd 600Hz		detection only	merod	X
MEROD 200Bd 600Hz		detection only	merod	X
MEROD 150Bd			merod	X
MEROD 267Bd			merod	X
MFSK-8			mfsk	X
MFSK-16			mfsk	X
MFSK-20	XPA			X
MFSK-32			mfsk	X
MIL-188-141A	ALE 2G			X
MIL-188-141B	ALE 2G			X
Morse 30-170			morse	X
Morse A2A 30-170		Morse with AM primary modulation	morse	X
Morse F1A 85cpm 200Hz		Morse over FSK	morse	X
Morse F2A 30-170		Morse with FM primary modulation	morse	X
MS5	CIS-12			-
MT63-500			mt63	X
MT63-1000			mt63	X
MT63-2000			mt63	X
Nokia M90		detection only	nokia	X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
NUM 13	SP14			X
Olivia 8/250			olivia	X
Olivia 16/500			olivia	X
Olivia 32/1000			olivia	X
Olivia 64/2000			olivia	X
Packet 300			packet	X
Packet AX.25 HF	Packet 300			X
PACTOR I			pactor	-
PACTOR I FEC			pactor	-
PACTOR II			pactor	-
PACTOR II FEC			pactor	-
PACTOR III			pactor	-
PACTOR I/II/III		Includes all PACTOR modes I/II/III	pactor	-
PACTOR-4			pactor	-
Piccolo MK6			piccolo_mk6	X
Piccolo MK12			piccolo_mk12	X
Piccolo 6	Piccolo MK6			X
Pol-ARQ			pol-arq	X
Piccolo 12	Piccolo MK12			X
POL INTEL BPSK 50Bd		detection only	pol_intel	X
POL INTEL BPSK 62.5Bd		detection only	pol_intel	X
POL INTEL BPSK 100Bd		detection only	pol_intel	X
POL INTEL FSK 100Bd 200Hz		detection only	pol_intel	X
POL INTEL FSK 100Bd 800Hz		detection only	pol_intel	X
POL INTEL FSK 400Bd 800Hz		detection only	pol_intel	X
POL INTEL MFSK 100Bd 400Hz		detection only	pol_intel	X
POL INTEL QPSK 100Bd		detection only	pol_intel	X
POL INTEL QPSK 200Bd		detection only	pol_intel	X
PSK10			psk10	X
PSK-AM 10Bd			psk-am	X
PSK-AM 31Bd			psk-am	X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
PSK-AM 50Bd			psk-am	X
PSK31			psk31	X
PSK31-FEC			psk31fec	X
PSK63		variant of PSK31 with higher baud rate	psk63	X
PSK63-FEC		variant of PSK31 with FEC	psk63_fec	X
PSK125		variant of PSK31 with higher baud rate	psk125	X
PSK125-FEC		variant of PSK31 with FEC	psk125_fec	X
PSK250		variant of PSK31 with higher baud rate	psk250	X
PSK220-FEC		variant of PSK31 with FEC	psk220_fec	X
QPSK31			qpsk31	X
QPSK63		variant of QPSK31 with higher baud rate	qpsk31	X
QPSK125		variant of QPSK31 with higher baud rate	qpsk31	X
QPSK250		variant of QPSK31 with higher baud rate	qpsk31	X
QPSK500		variant of QPSK31 with higher baud rate	qpsk31	X
RAC-ARQ	MEROD			X
RACAL-ARQ	MEROD			X
Robust Packet Radio			robust_packet	-
ROU-FEC	RUM-FEC			X
RS-ARQ	ALIS			X
RUM-FEC			rum-fec	X
Serdolik	CIS-36			X
Serdolik System v2		only speed level (SL200)	serdolik2	-
SI-ARQ			si-arq	X
SI-FEC			si-fec	X
SITOR-A 170Hz			sitor-a	X
SITOR-A 1300Hz			sitor-a	X
SITOR ARQ	SITOR-A			X
SITOR-B 100Bd 170Hz			sitor-b	X
SITOR-B 100Bd 400Hz			sitor-b	X
SITOR FEC	SITOR-B			X
SP14			sp14	X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
SPREAD 11	Autospec			X
SPREAD 21	Autospec			X
SPREAD 51			spread51	X
SSTV		only for nominal frequency mode	sstv	X
SWED-ARQ			swed_arq	X
T-230-1A Mahovik	CIS BPSK 1200Bd			X
T-600	CIS-36-50			X
TDM 242	ARQ-M2 242/ARQ-M4 242			X
TDM 342	ARQ-M2-342/ARQ-M4-342			X
TDM 342 1 Channel	ARQ-E3			X
TEAC KV-7	CIS MFSK-7			X
TEAC KV-11	CIS MFSK-11			X
THROB1			throb	X
THROB2			throb	X
THROB4			throb	X
THROBX1			throb	X
THROBX2			throb	X
THROBX4			throb	X
TOR dirty	Sitor B			X
TORG 10/11	CIS-11			X
TORG 14	CIS-14			X
Twinplex			twinplex	X
Visel			visel	X
Vishnya	CIS Selcal FSK 150/200			X
Voice J3E		single sideband USB or LSB	voice	X
Voice J3E-LSB		single sideband LSB	voice	X
Voice J3E-USB - SELCAL ICAO		for voice J3E-USB and/or ICAO selcal	voice	X
Voice A3E/J3E		double sideband AM or single sideband USB/LSB	voice	X
WEATHER-FAX	HF-FAX			X
YUG-MIL	Visel			X

Standard Decoder Package				
HF Decoders				
Modem	Same as	Remarks	Modem File	Src*
X06 - Mazielka			x06	X
XPA		only for nominal frequency mode	xpa	X
XPA2		only for nominal frequency mode	xpa2	X
XPB	CIS MFSK-16			-
XSL	Japanese Slot Machine			X
Yakhta T-219 Voice Scrambler		detection of FSK sync only	yakhta	X

Standard Decoder Package				
VHF/UHF Decoders				
Modem	Same as	Remarks	Modem File	Src*
ACARS VHF			acars_vhf	X
AIS			ais	X
ATIS			atis	X
Auriga	partly included in Autocab			X
Autocab			autocab	X
BIIS			biis	X
Bluetooth Low Energy		only advertising channels	bluetooth	x
CityRuf	POCSAG			X
COSPAS-SARSAT	Distress Radiobeacons			X
Distress Radiobeacons		EPIRB/ELT/PLB	distress_radiobeacons	X
DSC-VHF			dsc-vhf	X
ELT	Distress Radiobeacons	Emergency Locator Transmitter		X
EPIRB	Distress Radiobeacons	Emergency position-Indicating radiobeacon station		X
ERMES			ermes	X
FLARM			flarm	-
Flex			flex	X
Flex 1600Bd PSK2		only for FM predemodulated signals	flex	X
FMS-BOS			fms_bos	X
FreeDV VHF		Mode 800XA	freedv	-
GMDSS-VHF	DSC-VHF			X
Golay/GSC	Golay Pager			X
Golay Pager			golay_pager	X
LoRa 15.6 kHz		includes 7.8, 10.4 and 15.6 kHz bandwidth	lora	-
LoRa 31.25 kHz		includes 20.8 and 31.25 kHz bandwidth	lora	-
LoRa 62.5 kHz		includes 41.7 and 62.5 kHz bandwidth	lora	-
LoRa 125 kHz			lora	-
LoRa 250 kHz			lora	-
LoRa 500 kHz			lora	-
MFSK-32			mfsk	X
Mobitex 1200			mobitex	X

Standard Decoder Package				
VHF/UHF Decoders				
Modem	Same as	Remarks	Modem File	Src*
Mobitex 80	Mobitex 1200			X
Mobitex 8000			mobitex	X
Mobitex 400	Mobitex 8000			X
Mode-S/ADS-B			mode_s	X
Morse A2A 30-170		Morse with AM primary modulation	morse	X
Morse F2A 30-170		Morse with FM primary modulation	morse	X
MPT1306	SELCAL CTCSS			X
MPT1316	SELCAL EEA			X
MPT1381	SELCAL DCS			X
NMT450			nmt450	X
Packet 1200			packet	X
Packet 2400			packet	X
Packet 4800			packet	X
Packet 9600			packet	X
PLB	Distress Radiobeacons	Personal Locator Beacon		X
POCSAG 512Bd			pocsag	X
POCSAG 1200Bd			pocsag	X
POCSAG 1200Bd 6kHz		shift of 6 kHz	pocsag	X
POCSAG 2400Bd			pocsag	X
SELCAL CCITT sub		only for FM predemodulated signals	ccitt	X
SELCAL CCIR-1	included in Voice F3E - SELCALs			X
SELCAL CCIR-2	included in Voice F3E - SELCALs			X
SELCAL CCIR-7	SELCAL CCIR-2			X
SELCAL CTCSS	included in Voice F3E - SELCALs			X
SELCAL DCS	included in Voice F3E - SELCALs			X
SELCAL DTMF	included in Voice F3E - SELCALs			X
SELCAL DZVEI	included in Voice F3E - SELCALs			X
SELCAL EEA	included in Voice F3E - SELCALs			X
SELCAL EIA	included in Voice F3E - SELCALs			X
SELCAL EURO sub		only for FM predemodulated signals	euro	X
SELCAL EURO5	SELCAL EURO			X

Standard Decoder Package				
VHF/UHF Decoders				
Modem	Same as	Remarks	Modem File	Src*
SELCAL MDC1200	included in Voice F3E - SELCALs			X
SELCAL FleetSync	included in Voice F3E - SELCALs	FleetSync 1/2, 1200/2400Bd		X
SELCAL MODAT sub		only for FM predemodulated signals	modat	X
SELCAL NATEL	included in Voice F3E - SELCALs			X
SELCAL PCCIR	SELCAL CCIR-1			X
SELCAL PDZVEI	included in Voice F3E - SELCALs			X
SELCAL PZVEI	included in Voice F3E - SELCALs			X
SELCAL VDEW sub		only for FM predemodulated signals	vdew	X
SELCAL ZVEI	included in Voice F3E - SELCALs			X
SELCAL ZVEI-1	included in Voice F3E - SELCALs			X
SELCAL ZVEI-2	included in Voice F3E - SELCALs			X
SELCAL ZVEI-3	included in Voice F3E - SELCALs			X
VDL 2			vdI2	X
VDL 3			vdI3	X
Voice A3E		for voice AM	voice	X
Voice A3E Air Traffic		to monitor VHF voice air traffic	voice	X
Voice A3E/J3E		double sideband AM or single sideband USB/LSB	voice	X
Voice F3E - SELCALs		for voice FM, includes several selcals	voice_f3e_selcals	X
Voice Inversion (FM-LSB)		scrambled analog voice	voice	X
ZVEI-VDEW		digital selcal	zvei-vdew	X

PMR Decoder Package (optional)				
SAT Decoders				
Modem	Same as	Remarks	Modem File	Src*
INMARSAT AERO-C 8.4kbps			inmarsat_aero-c	-
INMARSAT AERO-C 10.5kbps		audio output not included	inmarsat_aero-c	-
INMARSAT AERO-C 21.0kbps		audio output not included	inmarsat_aero-c	-
INMARSAT AERO-P 0.6kbps			inmarsat_aero-p	-
INMARSAT AERO-P 1.2kbps			inmarsat_aero-p	-
INMARSAT AERO-P 10.5kbps			inmarsat_aero-p	-
INMARSAT AERO-R 0.6kbps			inmarsat_aero-r	-
INMARSAT AERO-R 1.2kbps			inmarsat_aero-r	-
INMARSAT AERO-R 10.5kbps			inmarsat_aero-r	-
INMARSAT AERO-T 0.6kbps			inmarsat_aero-t	-
INMARSAT AERO-T 1.2kbps			inmarsat_aero-t	-
INMARSAT AERO-T 10.5kbps			inmarsat_aero-t	-
INMARSAT-C TDM			inmarsat_c	-
INMARSAT-C TDMA			inmarsat_c	-
INMARSAT IsatPhone Uplink		detection only	satphones	-
Iridium			satphones	-
Thuraya Uplink		detection only, but RACH bursts are decoded	satphones	-

PMR Decoder Package (optional)				
PMR Decoders				
Modem	Same as	Remarks	Modem File	Src*
APCO-25			apco-25	-
APCO-25 Phase2 Downlink			apco-25	-
DECT			dect	-
DMR		for burst emissions	dmr	-
DMR Continuous		for continuous emissions	dmr	-
dPMR			dpmr	-
D-STAR			d-star	-
GSM		GSM Control Channel C0	gsm	-
IDAS	NXDN	Icom's version of NXDN		-
Motorola SmartNet 4kHz			motorola_smartnet	-
Motorola SmartNet 6kHz			motorola_smartnet	-
MotoTRBO	DMR	Motorola's version of DMR		-
MPT1327		control channel	mpt1327	-
MPT1327 Uplink		control channel	mpt1327	-
NEXEDGE	NXDN	Kenwood's version of NXDN		-
NXDN 2400Bd			nxdn	-
NXDN 4800Bd			nxdn	-
P-25	APCO-25			-
TETRA		usage of TEA 1/3/4 if key available	tetra	-
TETRA DMO		usage of TEA 1/3/4 if key available	tetra	-
TETRA Uplink			tetra	-
Tetrapol			tetrapol	-
Tetrapol VHF		for VHF range only	tetrapol	-
Yaesu System Fusion		12.5 kHz bandwidth	yaesufusion	-
Yaesu System Fusion NB		6.25 kHz bandwidth	yaesufusion	-

MIL Decoder Package (optional)				
MIL Decoders				
Modem	Same as	Remarks	Modem File	Src*
Akkord	CIS DataLink 1200Bd 800Hz			-
ALE 3G			ale-3g	-
ALE 4G			ale-4g	-
AN/PRC-150 Selcal			an-prc_150	-
CHN 4+4		for signals with normal polarity (USB)	chn4plus4	-
CHN 4+4 (INV)		for signals with inverted polarity (LSB)	chn4plus4	-
CHN BPSK 2400Bd			chn_bpsk_2400bd	-
CHN pi/2 BPSK 2400Bd			chn_pi2_bpsk_2400bd	-
CHN MIL 32FSK		detection only	chn_mil_32fsk	-
CHN MIL 64FSK			chn_mil_64fsk	-
CHN MIL 8PSK 1627Bd			chn_mil_8psk_1627bd	-
CHN MIL 8PSK 2400Bd		detection only	chn_8psk_2400bd	-
CHN MIL Datalink 30 Tone		detection only	chn_30tone	-
CHN MIL Datalink 39 Tone	MIL-188-110 39 Tone			-
CHN MIL Hybrid 8FSK-PSK			chn_mfsk8_psk2400	-
CIS DataLink 1200Bd 800Hz			cis_datalink	-
CIS FTM-4			cis_ftm4	-
Citadel		detection only, included in various decoders, see datasheet		-
CV-786			cv-786	-
CRATT	STANAG 4481 (FSK)			-
Echotel 1810	MAHRS			-
Haegelin-Cryptos	HC-ARQ			-
Harris RF-5800 SelCal		detection only	harris_rf5800	-
Harris RF-5800 Digital Voice		detection only	harris_rf5800	-
HC-ARQ			hc-arq	-
KG-84		detection only, included in various decoders, see datasheet		-
KW-46		detection only, included in various decoders, see datasheet		-
LINK 4	STANAG 4481 (FSK)			-

MIL Decoder Package (optional)				
MIL Decoders				
Modem	Same as	Remarks	Modem File	Src*
Link 11 CLEW			link-11	-
Link 11 CLEW UHF		UHF version with FM primary modulation	link-11	-
Link 11 SLEW	STANAG 5511 SLEW		link-11	-
Link 22		only STANAG 4539 Appendix D	link-22	-
MAHRS		detection only	mahrs	-
MD-522	MIL-M-55529A			-
MD-674	MIL-M-55529A			-
MIL-188-110 16 Tone		only raw output	mil188-110_16tone	-
MIL-188-110 39 Tone			mil188-110_39tone	-
MIL-188-110 App.C	partly included in STANAG 4539 & STANAG 4539 HDR			-
MIL 188-110C App.D 3kHz			mil188-110c_app_d	-
MIL 188-110C App.D 6kHz			mil188-110c_app_d	-
MIL 188-110C App.D 9kHz			mil188-110c_app_d	-
MIL 188-110C App.D 12kHz			mil188-110c_app_d	-
MIL 188-110C App.D 15kHz			mil188-110c_app_d	-
MIL 188-110C App.D 18kHz			mil188-110c_app_d	-
MIL 188-110C App.D 21kHz			mil188-110c_app_d	-
MIL 188-110C App.D 24kHz			mil188-110c_app_d	-
MIL-188-110 ser.	partly included in STANAG 4539/4415			-
MIL-188-141 App.C	ALE 3G			-
MIL-188-141 App.G	ALE 4G			-
MIL-M-55529A			mil-m-55529a	-
NATO-75	STANAG 4481 (FSK)			-
Panther-H Sync		detection of synchronisation bursts only	panther_h	-
PSK-8 2400Bd Data Modem 120ms		detection only	psk8_2400bd_data_modem_120ms	-
RS GM2X00 HF Modem		detection is included in Link 11 SLEW		-
STANAG 4197		audio codec not included	stanag4197	-
STANAG 4285		Terminal Mode: ASCII8 & Baudot	stanag4285	-
STANAG 4415		75bps (also Part of Mil188-110A/B)	stanag4415	-
STANAG 4481 (FSK)			stanag4481_fsk	-

MIL Decoder Package (optional)				
MIL Decoders				
Modem	Same as	Remarks	Modem File	Src*
STANAG 4481 (PSK)	included in STANAG 4285			-
STANAG 4529		Terminal Mode: ASCII8 & Baudot	stanag4529	-
STANAG 4538	ALE 3G			-
STANAG 4539		150-4800 Bit/s	stanag4539	-
STANAG 4539 HDR		3200 - 4800 Bit/s	stanag4539-hdr	-
STANAG 4539 Annex E,F,G		detection only	stanag4539_annex_efg	-
STANAG 4539 Annex H	Thales HFXL			-
STANAG 5065 FSK 75Bd 85Hz		(also Part of Mil188-110A/B)	stanag_5065_fsk	-
STANAG 5065 FSK 50Bd 850Hz		(also Part of Mil188-110A/B)	stanag_5065_fsk	-
STANAG 5065	STANAG 5065 FSK 75Bd 85Hz, STANAG 5065 FSK 50Bd 850Hz			-
STANAG 5066		included in various decoders, see datasheet		-
STANAG 5511	Link 11 CLEW			-
STANAG 5511 SLEW	Link 11 SLEW			-
TADIL A	Link 11 CLEW			-
TADIL B	Link 11 CLEW			-
Thales HFXL		detection only of one single channel	thales_hfxl	-
Thales System 3000 Skymaster SelCal		detection only	thales_sys3000	-
Turkish Navy FSK 600Bd 400Hz			turkish_navy_fsk	-
Turkish Navy FSK 1200Bd 800Hz			turkish_navy_fsk	-
WALE	ALE 4G			-
WB-HF	MIL 188-110C App.D			-