



Operational Modes	
	With PACTOR-III maximum approx. 2700 bps without compression, approx. 5200 bps with PMC-Text compression, 6 "Speedlevels" with automatic adjustment for the actual channel quality, Bandwidth max 2400 Hz, k=9 – convolutional code, Viterbi decoder with soft decision and complex "Memory-ARQ", through which practically inaudible signals can still be decoded. Automatic frequency correction ( $\pm 80$ Hz), automatic transmitter power adjustment is possible.
	300, 1200 Bd (A)FSK, 9600, 19200 Bd G3RUH-Direct-FSK, R300/600 Bd Robust-Packet-Radio (RPR), automatic APRS-Beacon
	All usual analogue Modes, including AM-Fax, special JVCOMM32-Mode, very good AirMail/GetFax-support for Weather-Fax
	20 – 300 Bd, very good receiving decoder
	DBPSK und DQPSK, 31,25 Bd
	Decoder with automatic speed adjustment, CW-transmit-terminal
	ITU-R M.476-compatible Implementation, NAVTEX-Processor for automatic message storage.

Hardware	
Processors:	Freescale MC68360 32 Bit CPU with 25 MHz clocked, 56303 48 Bit DSP with 100 MHz clocked, 768 kB fast DSP RAM, 2 MB CMOS RAM, 256 kB Flash-ROM for the firmware (Easy updates), common TCXO-time base with 1 ppm accuracy
Connections:	USB (opt. Bluetooth), GPS (RS232 and TTL), Transceiver-Audio/PTT (a common connection for all operational modes), Transceiver remote control (Transceiver types: Icom, Yaesu, Kenwood, SGC, Rohde & Schwarz)
Audio-level/impedances:	Input: max. 2 V p-p, 47 k $\Omega$ , Output: max. 3 V p-p, 1 k $\Omega$
Display:	9 LED's for the display of hardware and operational condition
Power supply:	10...20 V, 300 mA (max. at 13,8 V input voltage)
Weight/size:	450 g, 125 x 43 x 138 mm (Width x Height x Depth)