

KAM XL

Kantronics Multi-Mode DSP Controller, designed by the Customer for the Customer

The original Kantronics KAM (Kantronics All Mode) was a global revolution in digital communication. In the Kantronics tradition, the KAM evolved through customer suggestions and years of operating experience, becoming the Kantronics KAM Plus: the most popular TNC on the global market. The KAM XL, Kantronics' third generation multi-modem TNC, continues this tradition, evolving into a state-of-the-art design that gives the customer operations on both HF/VHF/UHF and VHF/UHF, while supporting DSP modems and popular new modes of operation.



KAM XL OPERATIONS

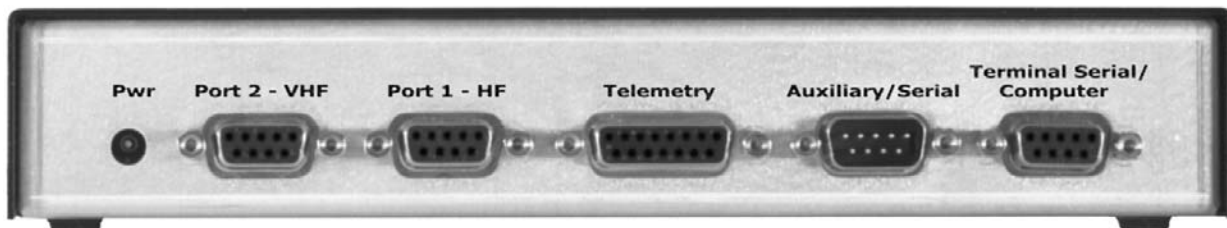
- Packet 300, 1200 or 9600 bps
- G-TOR™
- Pactor 1
- AMTOR
(ARQ, FEC, SELFEC, CCIR 476 & 625)
- PSK31
- RTTY
- NAVTEX/AMTEX
- ASCII
- WEFAX
- Dual Port Mailbox
- CW
- GPS NMEA-0183 compatible
- Remote SYSOP Access
- Kantronics Host Mode
- KISS

FEATURES

- **GPS Compatible**
With a GPS connected to the KAM XL, you can beacon your position to others via HF, UHF, or VHF. The Kantronics KAM XL is engineered to work with APRS™ software and supports advanced UI frame digipeating functions.
- **HF and/or VHF Operations**
With dual radio ports, the flexible Kantronics KAM XL can be used on HF, UHF and VHF bands. The popular Kantronics KAM gateway feature between ports 1 and 2 allows for local packet to be received on port 1, then transmitted on the other port.
- **Large capacity Internal Mailbox**
480 k personal mailbox is standard. The KAM XL mailbox can respond in HF on TOR modes, or in packet mode on either port.
- **Versatile Operations**
The Kantronics KAM XL may be used at your base, in the field, or as a mobile. Designed for flexibility, the KAM XL will function with mobile, base, or hand-held radios.
- **Detailed Manual**
The KAM XL manual will be shipped on a convenient CD, and will also be available on Kantronics' website where BIOS updates will also be found:
www.kantronics.com

KAM XL

The Kantronics KAM XL was designed to operate in many different applications as the digital world continues to change. Engineered for years of dependable performance, the KAM XL also includes room for new modes and upgrades well into the future. Kantronics, the pioneer in digital communications, now proudly offers you 30 years of engineering experience in the Kantronics KAM XL.



Specifications

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| Dimensions (HWD) System Control Processor | 1.4" x 8.5" x 4.6" HC12 with 512 k Flash 512 k Battery Backed RAM |
| DSP Chip Power Requirements | ADSP 2185M Processor 10 to 18 V, 150 mA |
| Power Plug External Connection Ports Radio | Coaxial, center pin positive 2.1 mm Ports 1&2, DB9 (female) Computer port, DB9 (female) Auxiliary port, DB9 (male) Telemetry port, DB15 (female) |
| PTT Watchdog timer External Carrier Detect | Approximately 2.5 min Pull down to ground |
| Data Rate, Port 1 Data Rate, Port 2 | 45 to 9600 bps 300 to 9600 bps |
| PTT Output FSK Output | Open drain, +50 V dc max Open drain, +50 V dc max |
| Audio Output Output Impedance HF Modulation VHF Modulation | Continuously adjustable 10 mV to 2 V p-p 600 Ω, ac coupled Up to 1200 bps AFSK 1200 bps AFSK (Bell 202 – 1200/2200 Hz standard) 9600 bps GMSK |
| Audio Input Dynamic Range Input Impedance | 75 dB 10 kΩ or 620 Ω |
| Operating Mode | Packet, PACTOR, GTOR,AMTOR, RTTY,ASCII, PSK31, CW,WeFax, NAVTEX/AMTEX, KISS, HOST, GPS |
| Other Features | HF and VHF PBBS access, KA-Node, K-Net, Packet Gateway and Cross Connect |
| LED Indicators | Power, Mail, Port 1 (Xmit, Rec, Lock/Con,Val/Sta Speed,Tuner Bargraph) Port 2 (Xmit, Rec, Con, Sta) |
| Remote Control Access | All controller functions, user defined password |
| Warranty | KAM XL is protected by a one year limited warranty to the original owner |