# **KAM** 98

#### Single Port Multi-Mode Digital Controller

Built on the proud heritage established by the KAM and KAM Plus, the KAM '98 offers more flexibility to the digital operator. KAM '98 is a single port unit that can be used on either HF or VHF frequencies. HF operators can now enjoy 1200 bps communications on 10 meters, or copy WEFAX feeds without cable swapping. Telemetry and remote control operations are now possible, through the use of two A/D inputs accessed through an AUX port and two control line outputs.



#### **KAM 98 OPERATIONS**

- GTOR
- PACTOR
- AMTOR, ARQ, FEC, SELFEC,
- CCIR 476 & 625
- PACKET 300 or 1200 bps
- RTTY
- NAVTEX/AMTEX
- ASCII
- **■** WEFAX

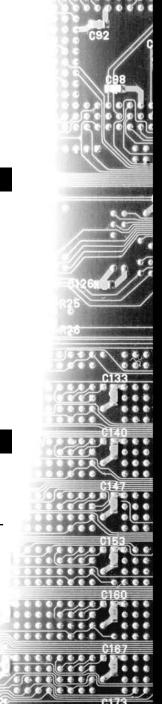
- EMWIN
- HF E-Mail
- CW
- GPS NMEA-0183 compatible
- **■** TELEMETRY
- REMOTE CONTROL
- REMOTE SYSOP ACCESS
- HOST Mode
- KISS Mode

#### **KAM 98 OPTIONS**

- 120 V ac to 12 V dc power cube
- 512 k memory expansion chip

The Kantronics KAM '98 is a versatile digital mode communicator engineered for years of dependable performance. Kantronics has been a pioneer in digital communications, taking care to listen to the suggestions of digital operators, like you.







#### **Specifications** Dimensions (HWD) 1.2" x 6.7" x 6.9" or 30 mm x 170 mm x 175 mm (w/o projections) Weight: 18 oz or 0.5 kg (approx) 5.5 V dc ~ 17 V dc. 110 mA **Power Requirements** (LEDs on, unit active) Power Plug Coaxial, center pin positive 2.1 mm DB-9 female (radio port ); External DB-9 female AUX A/D DATA (REMOTE port); Connection DB-25 female (computer/data terminal) **Ports** Watchdog timer approx 2.5 min (jumper setting option) **External Carrier Detect** Pulldown to ground Two inputs; 0 - 5 V dc 8-bit accuracy A/D Converter Z in = 20 $k\Omega$ Data Rate - Radio Port 45 ~ 1200 bps Open drain, + 50 V dc max, 200 mA max PTT Output Continuously adjustable 1 mV p-p - 5 V p-p Audio Output Output Impedance 600 $\Omega$ , ac coupled Modulation **AFSK Audio Input** Sensitivity 3 mV p-p Dynamic Range > 75 dB Input Impedance 10 k $\Omega$ or 620 $\Omega$ user selectable by jumper Max input voltage ± 12 V dc; 35 V p-p sinusoidal **Operating Modes** Packet, PACTOR, GTOR, AMTOR, RTTY, ASCII, CW, WEFAX, NAVTEX/AMTEX, KISS, XKISS, HOST, GPS, EMWIN **LED Indicators** Power, Xmit, Rcv, Connected, Status, Mail, Tuner Centering Bar, Speed **Remote Control Access** All controller functions, user defined password

KAM '98 is protected by a one year warranty to the original owner.

A quick Refernce Guide To Kantronics Data Controllers									
	High Speed	Dual Port	Packet	HF&VHF	Paging Monitor	GPS Ops	APRS Ops	K-Net capable	9-V batt option
KPC-3+			Yes			Yes	Yes	Yes	Yes
KPC-9612+	Yes	Yes	Yes		Yes	Yes	Yes	Yes	
KAM '98			Yes	Yes		Yes	Yes		
KAM XL	Yes	Yes	Yes	Yes		Yes	Yes		Yes

Pulldown to ground

FCC Class B; Europe - CE Conformity

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### **KAM 98**

#### **Explore New Modes**

If you haven't tried GTOR, PACTOR or other HF text modes, the KAM '98 can open new worlds of operating enjoyment. Copy NAVTEX bulletins and monitor communications with ships or aircraft. Download WEFAX weather maps (requires optional software) for up-to-the-minute information. Receives, decodes and sends Morse Code from your computer!

#### **GPS** Compatible

Connect a GPS to the KAM '98 (NMEA-0183 format required) and beacon your position to others. Great for mobile and marine operators. KAM '98 is engineered to work with APRS geolocating software and supports advanced UI frame digipeating functions.

#### HF or VHF operation

KAM '98 is flexible in that it can be used on HF or VHF/UHF bands. The 1200 bps packet function can work on bands 10 meters and above. Operators can also experiment with digital modes other than packet on VHF frequencies.

#### Large Capacity Internal Mailbox

100 k personal mailbox is standard, expandable with optional 512 k memory chip. Free Signal Detection supports HF e-mail function, a popular feature with marine operators.

## Remote Access AND Remote Control

KAM '98 can be remotely accessed and controlled with user defined password protection. KAM '98 can also control other devices through the use of it's A/D input/outputs. Using the A/D feature, it can also gather and report telemetry. There are many possibilities, including remote temperature sensing, battery voltage monitoring, opening/closing relays to operate other devices, security device monitoring and more! A dedicated DB-9 port allows for easy connections.



**External Reset** 

Compliance

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Authorized Dealer