RAIDER

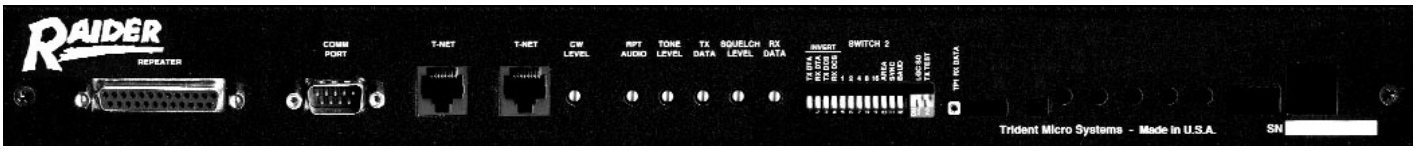
High Performance Trunking

...without the high price!

- UHF Trunking Ready
- LTR® Trunking Logic Controller
- CTCSS/DCS Capability
- Repeater Disable Function for Co-channel Protection
- Easy interface and set-up with most repeaters
- Allows conventional and trunking users to share channels
- Interconnect Model Available

TRIDENT MICRO SYSTEMS

Features and Functions:



Airtime Logging - Single period airtime logging for all 5000 ID codes. Call records may be stored in the “Bounty” airtime logger.

CTCSS/DCS - Supports 38 EIA subaudible CTCSS tones and up to 20 user selectable DCS codes per channel.

Custom Programming - Special features allow the individual activation of the Repeater Disable feature and the LTR® Idle message updates. The functions may be activated per channel on a time selectable basis.

CWID - Morse code identifier supported with the capability of programming a separate Call Sign on a per channel basis.

Drop Timer - When operating in the conventional mode, the Drop Timer will hold the transmitter keyed up and busy out the LTR® bus, but will not encode a tone or DCS code. After the drop timer expires the channel will become idle.

Easy Interface - Test switch provided for tuning and alignment. All level adjustments, test points and dip switches are readily accessible on rear panel. Separate data input and output inversion switches for DCS and LTR®. Separate data level settings for LTR® data and CTCSS/DCS.

Fade Timer - User programmable fade timer allows the channel to remain active should there be a momentary loss of LTR® data during decode at the repeater site.

Half or Full Duplex Operation - System supports half or full duplex mobile operations.

Hang Timer - When operating in the conventional mode, the user adjustable Hang Timer keeps the repeater transmitter keyed up while continuing to output the decoded CTCSS tone or DCS code.

ID Code Validation - Provides complete validation for an entire trunking system up to 20 channels.

Repeater Disable - Trident’s exclusive Repeater Disable feature helps to protect co-channel users from interference by “locking-out” the affected channel during the time it is being used by another repeater or system. This is especially useful in UHF trunking applications.

System Management - Password protected modem support for downloading of logged airtime and upload/download of system configuration.

Specifications

Repeater Interface	
Discriminator Input	50mV to 1 volt
TX Audio Output	0 to 2 volts Peak to Peak
TX Data Output	0 to 2 volts Peak to Peak
PTT Output	Open Drain FET 200mA
Comm Port Interface	
Baud Rate	1200 or 2400 Baud
Interface Type	DB-9 DTE
Data Bus Interface	
T-NET	Proprietary Differential Data Bus
Electrical	
Power Supply	11 to 15 volts DC @ 750mA
Environmental	
Operating Temperature	-40° to 60° C
Humidity	90% Non-condensing
Physical	
Size	1.75”H x 19”W x 6”D
Mounting	19” Rack - Adjustable Ears
Weight	3.5 lbs.

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