



CAD Series Computer Aided Dispatch

Midian Electronics' Desktop Dispatch products enable the dispatcher to monitor fleet communications and to identify and stop system abusers. When the user keys up their radio a PTT ID or ANI is transmitted. This ID can then be displayed on Midian's DDU along with the time, alias and status (if applicable).

In addition to decoding and displaying ANI's and Emergency ANI's, Midian's CAD-100, CAD-200 and CAD-300 offer the following encoding features*:

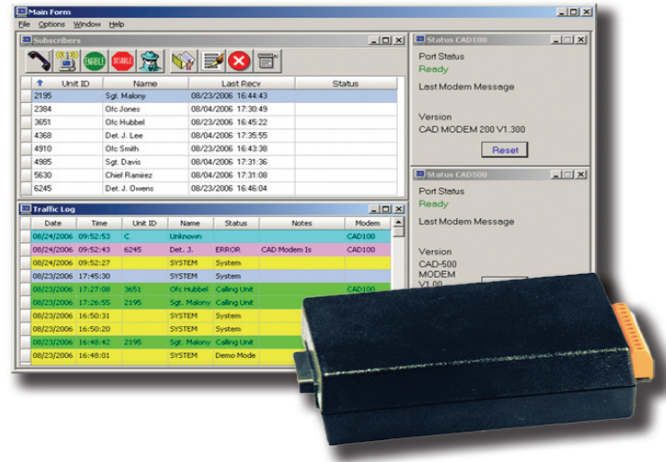
- **Selective Calling:** Enables the dispatcher to call a particular unit or group of units.
- **Radio Kill:** Allows the dispatcher to enable and/or disable a lost, stolen or non-paying field unit.
- **Spy:** Allows the dispatcher to remotely key-up a radio for a predetermined amount of time to eavesdrop or triangulate on a particular field unit.
- **Query:** Informs the dispatcher if a field unit is turned on/off or is decoding properly.
- **Over-The-Air Reprogramming (OTAR):** This feature is only available in the TRC-300 and allows the dispatcher to change the security codes in Midian's TVS-2 and VPU-15 series voice scramblers.

* *The above features require that the radio be capable of the above features or that the radio is equipped with Midian's UD-1B, UED-1B, TVS-2 or VPU-15 series products.*

Applications

Display Decoder: Midian's DDU products provide identification of system abusers for fleets such as taxi, towing, buses and public safety.

Local Remote Controller: The DDU can be used to keyup and monitor a local base station radio, as well as transmit and receive voice.



Features

Supported Formats: The CAD can be ordered in any of the following configurations:

- **CAD-100:** DTMF Encode and Decode
- **CAD-200:** 5-Tone Encode and Decode
- **CAD-300:** Midian's Kryptic Encode and Decode
- **CAD-400:** Harris' G-Star (aka GE-Star) Decode
- **CAD-500:** Motorola's MDC-1200 Decode
- **CAD-600:** Kenwood's FleetSync Decode
- **CAD-MF:** The CAD-MF will decode and display ANI's in all of the above signaling formats except for Kryptic.

Product Quality: Midian believes in and adheres to a strict quality program. This is backed up by Midian's 3-year warranty on parts and labor.

Use in Most Systems: Midian's CAD can be used in conventional, trunked and voted systems.



CAD: General Specifications	
Operating Voltage	12-15 VDC
Operating Current	100 mA @ 12 VDC
Operating Temperature	-30 to +60 C
Audio Input Level	100 - 3000 mV p-p
CAD: Signaling Specifications	
MDC-1200 ANI Range	0000-FFFF
MDC-1200 Timing	~180 msec
FleetSync Unit ID Range	1000-3999 (Unit ID Only)
FleetSync Timing	~180 msec
G-Star ANI Range	0001-9999
G-Star Timing	320 msec
DTMF ANI Length	8-digits (maximum)
DTMF Timing	60/40 standard
5-Tone ANI Length	8-digits (maximum)
5-Tone Timing	Varies per format (programmable)
Kryptic ANI Range	0000-9999
Kryptic Timing	150 msec
Emergency ANI	Yes