



ANI Display Decoder

ADD Series Multi-Format ANI Display Decoder

Midian Electronics' ADD Series ANI Display Decoders enable the dispatcher or system administrator to monitor fleet communications by identifying which field radio keyed. This is used to identify system abusers, accurately and timely identify emergency conditions, and allows the dispatcher to know who he or she is talking with and to assign calls fairly. When the user keys or unkeys the field radio a PTT ID or ANI (Automatic Number Identification) is transmitted. This PTT ID can then be displayed on Midian's ADD series ANI display decoders.

The ADD features a large LED display for viewing the incoming ID's at a distance. The unit can be programmed to display up to 6 characters. These characters can be the ANI, an emergency status digit, and a format identification character for the ANI format being decoded. The ADD stores the last 6 incoming ID's in memory.

The ADD comes with an infrared remote controller for scrolling through the ID's in memory and silencing the Emergency Alert.

Applications

System Abuse: Many radio systems are plagued by radio users that key-up over other users, make obscene comments, etc. Radio systems use ANI to accurately identify who the abusers are so that appropriate action may be taken.

Emergency Identification: When a field radio has an emergency, time should not be wasted with the dispatcher trying to identify the caller. With Emergency ANI, users in distress can be identified accurately and in a timely manner.

Call Assignments: In taxi and towing fleets, many calls are assigned by which radio user replies first. ANI display decoders enable the dispatcher to see which field radio replied first.



Shown: ADD-100 DTMF Display Decoder

Features

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

- **ADD-100:** DTMF Decode
- **ADD-200:** 5-Tone Decode
- **ADD-400:** Harris' G-Star (aka GE-Star) Decode
- **ADD-500:** Motorola's MDC-1200 Decode
- **ADD-600:** Kenwood's FleetSync Decode
- **ADD-MF:** Capability to simultaneously decode and display DTMF, 5-Tone (one 5-Tone protocol), Harris' G-Star, Motorola's MDC-1200 and Kenwood's FleetSync.

ADD Option D: Any of the ADD series models can be ordered with the ADD Option D which gives the unit a real-time clock and serial output. This can be used to output serial data to a console or other serial device.

Emergency ANI Alert: When an emergency ANI is received an audible alarm is triggered. The decimal point flashes to keep track of the ENI in the scrolling sequence. The infrared controller allows for silencing the alarm and scrolling.

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.



Midian's ADD Series Specifications

ADD: General Specifications	
Operating Voltage	12-15 VDC
Operating Current	60-200 mA
Operating Temperature	-30 to +60 C
Audio Input Level	100-3000 mVPP
Unit Dimensions	7.75" W x 1.8" D x 2.75" H
Character Dimensions	1" H x 0.6" W
ADD: Signaling Specifications	
MDC-1200 ANI Range	0000-EEEE
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	6-digits (maximum)
DTMF Timing	60/40 standard
5-Tone ANI Length	6-digits (maximum)
5-Tone Timing	Varies per format (programmable)