

MACKENZIE

DADS-A1214

In Vehicle Automatic Announcement System

Key Features:

- 2 Channel, High Quality Audio
- Removable PCMCIA FLASH
- Built in amplifiers
- Automatic Level Control
- J1708 / J1587 Triggering
- Auxiliary Communications Port
- Text Messaging
- High Reliability



The DADS-A1214 is a full featured, automated next stop and destination announcement device. It incorporates audio output with associated text, industry standard triggering, automatic level control and highly reliable operation in a ruggedized package.

Audio Messaging System - The DADS-A1214 contains a solid state MPEG audio processor and 2 independent/simultaneous audio channels. Audio and text databases are stored in removable, DOS formatted, PCMCIA FLASH memory card.

PCMCIA Memory - Removable memory cards allow convenient route/stop database and program updates.

MPEG Audio Coding - Provides high quality audio with limited memory. The system can accommodate 1000's of messages and hours of audio.

Amplifiers - A 20 watt amplifier is provide for each of the 2 audio channels.

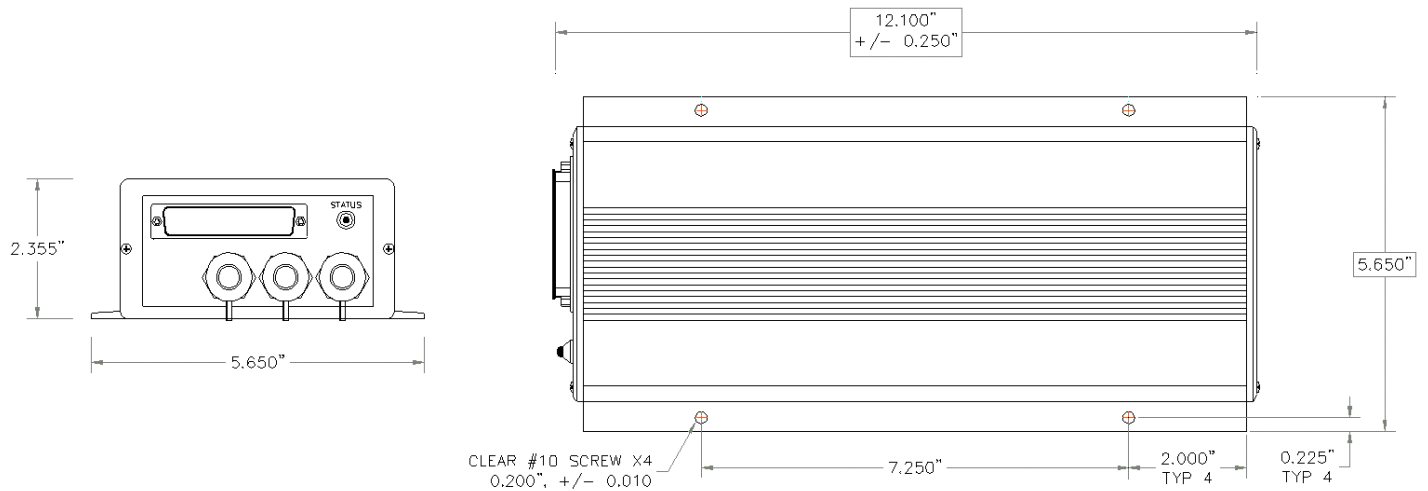
Automatic Level Control(ALC) - Adjusts the audio output level of each channel based on the ambient level.

J1708 / J1587 - Industry standard communications interface for compatibility with numerous triggering devices including Mobile Display Terminals(MDT).

Auxiliary Communication Port - RS232 connection allows operator to control or download data to the system from a laptop computer or other device.

Text Messaging - Allows a text message to be associated with an audio message. When an audio message is triggered, a text message may be sent out the auxiliary port to display on a compatible LED/LCD message sign.

Making A Difference, One At A Time



SPECIFICATIONS

Electrical Specifications

Input Voltage: 24VDC nominal
Fuse: Internal, user replaceable

Communications

Message Triggering: J1708 / J1587
Auxiliary: RS232

Audio Specifications

Channels: 1(standard), 2(optional)
Coding: MPEG 1, Layer 2
Frequency response: 20Hz to 20kHz, +/-3dB(highest rate)
THD: <0.1%
Signal to noise ratio: 85dB
Output: 600 ohm, line level, unbalanced

Amplifier Specifications:

Channels: 2, independent
Power: 20 watts per channel
Drive: 4 ohm

Automatic Level Control:

Performance: Up to 19dB of gain, adjustable sense level

Memory

Type: FLASH EPROM
Package: Standard ATA PC CARD

Connections

DB-50M Power, J1708/J1587, RS232, playing relay
EN3-P4F 4 pin sealed circular for ALC inputs
EN3-P2F-16 Two, 2 pin sealed circular for speaker out

Mechanical Specifications

Size(approx): 5.6" W x 12.1" D x 2.3" H
Material: Splash resistant, painted aluminum extrusion with hinged access door
Mounting: Flanges w/ mounting holes

Environmental Specifications

Storage Temp: -40 to +70 degrees, Celsius
Operating Temp: -20 to +60 degrees, Celsius
Vibration, operating: 1.5G RMS, 5Hz to 150 Hz
Endurance: 8G RMS, 100Hz to 1,100Hz
Shock: 30G pk, 3 milliseconds
EMI/RFI: FCC 15, class B

Specifications and Pricing are subject to change without notice

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