

MACKENZIE

DADS-A1214-V

In Vehicle Automatic Announcement System

Key Features:

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



Shown A1214-V version

The DADS-A1214-V 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-V 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 provided for each of the 2 audio channels.

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

Operator Microphone - Allows the operator to make live announcements to the passengers

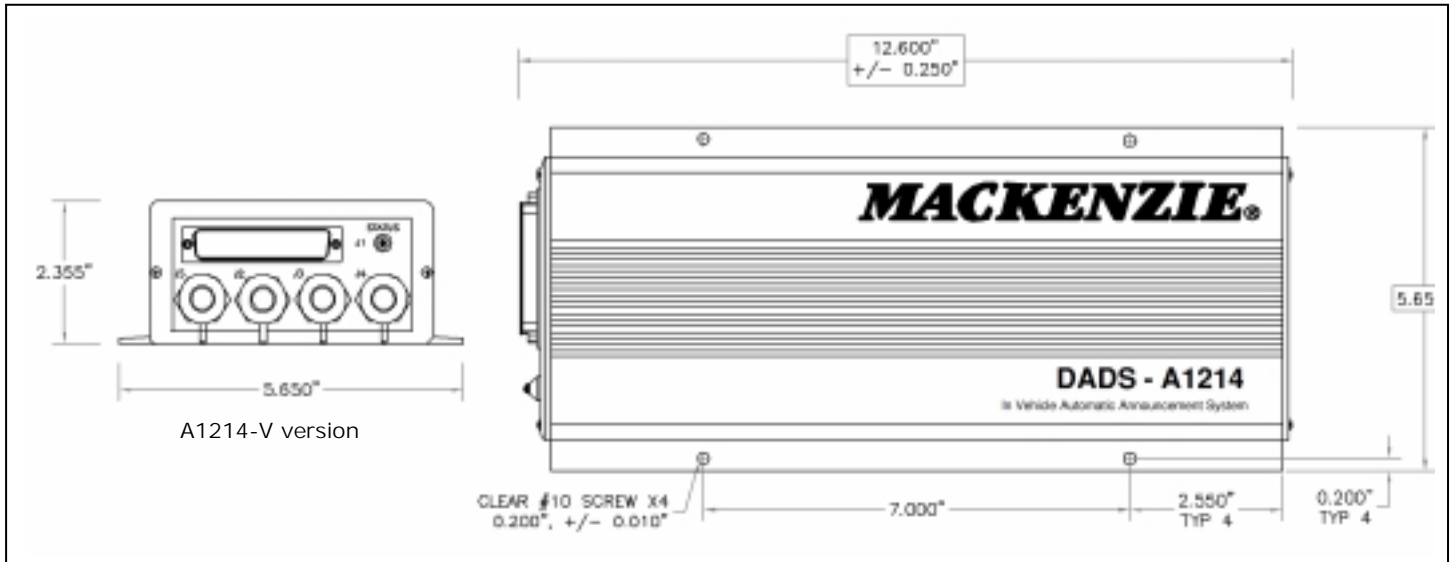
J1708 / J1587 - Industry standard communications interface for compatibility with numerous triggering devices including Mobile Display Terminals (MDT).

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.

Playing Relay - Provides signaling for auxiliary equipment that the DADS-A1214-V is active.

Making A Difference, One At A Time



SPECIFICATIONS: DADS-A1214-V

Electrical Specifications

Input Voltage: 24VDC nominal, (9-32 VDC)
Fuse: Internal, user replaceable

Communications

Message Triggering: J1708 / J1587
Auxiliary: RS232

Audio Specifications

Channels: 2
Coding: MPEG 1, Layer 2
Frequency response: 20Hz to 20kHz, +/-3dB(128kbps)
THD: <0.1%
Signal to noise ratio: 85dB

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

Operator Microphone

Type Supported: DADS-MIC-G
Package: Armored Gooseneck
Controls: Level (Up/Down), Zone (Int./Ext.),
PTT, System Disable

Memory

Type: FLASH EPROM
Package: Standard ATA PC CARD

Connections

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

Mechanical Specifications

Size: 5.6" W x 12.6" 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°C (-40 to +158°F)
Operating Temp: -20 to +60°C (-4 to +140°F)
Operating Humidity: 98% RH at 50°C non-condensing
Vibration, Operating: 1.5G RMS, 5Hz to 150 Hz
Vibration, Endurance: 8G RMS, 100Hz to 1,100Hz
Shock: 30G pk, 6 milliseconds
EMI/RFI: FCC 15, class B

Specifications and Pricing are subject to change without notice

MACKENZIE LABORATORIES, INC.

1163 Nicole Court
Glendora, CA 91740 ■ USA

Tel: (909) 394-9007 ■ Fax: (909) 394-9411

Web: www.macklabs.com

Email: info@macklabs.com