Key Features:
- High Reliability / ADA Transit Rated
- Two Channel, High Quality Audio
- Integrated 20 Watt amplifier/Ch.
- Automatic Level Control
- High Speed USB Downloadable
- Integrated Memory Database Storage
- Variable Message Sign support
- J1708 / J1587 Triggering
- RS232 Auxiliary Communications Port
- Backwards compatible with DADS-A1214 systems

The DADS-MB701 is a full featured, ADA compatible device for in-Bus application of next stop and destination automated announcement. It incorporates audio output with associated text, Automatic level control, industry standard triggering interface and highly reliable operation in a compact ruggedized package.

Audio Messaging - The DADS-MB701 contains Two independent/simultaneous audio channels.

Amplifiers - A 20W amplifier is provided for each of the Two audio channels.

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

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 of the auxiliary port for display on a compatible LED/LCD message sign.

Operator Microphone Interface – Provides seamless integration between automated and Ad Hoc announcements.

MPEG Audio Coding - Provides efficient, high quality audio. The system can accommodate 1000’s of messages and hours of audio.

Memory - Audio and text databases are stored in large capacity non-volatile FLASH memory.

USB Key Interface - Allows for convenient route/stop database and program updates.

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

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

Optional Features –
- Wireless Ethernet (802.11b/g) connectivity for files updates.
- A real time clock controller, with Battery backup.
- Configuration of audio level adjustment based on the time of day
SPECIFICATIONS

**Electrical**
- **Input Voltage:** 12 / 24VDC nominal (9-32VDC)
- **Fuse:** Internal, Self Resetting

**Audio**
- **Channels:** 2, Mono
- **Coding:** MPEG 1, Layer 3 (MP3)
- **Frequency response:** 20 Hz to 20 kHz, +/-3dB
- **THD:** <0.1%
- **Signal to noise ratio:** 85dB
- **Output:** 600 ohm, line level, unbalanced

**Amplifier**
- **Channels:** 2, independent
- **Power:** 20 watts (rms) per channel
- **Drive:** 4 / 8 ohm

**Automatic Level Control**
- **Performance:** Up to 19dB of gain, adjustable sense level, independent for each channel

**Operator Microphone Interface**
- **Low Noise microphone preamp,**
  **Activation control,**
  **Level Adjustment**

**Communications**
- **Message Triggering:** J1708 / J1587
- **Auxiliary:** RS232

**Memory**
- **Type:** 1GB FLASH Memory
- **Package:** Industrial SD Card

**Connections**
- **DB-50M**
  - Power, J1708/J1587, RS232,
  - Two Playing Relays, Line Outputs and Misc. controls
- **4282-8SG-300**
  - 8 pin sealed circular for ALC inputs & PA microphone
- **4382-4SG-300**
  - 4 pin sealed circular for CH1 & CH2 speaker out
- **USB-A type (F)**
  - For USB Memory Key

**Mechanical**
- **Size(approx):** 5.6" W x 6.0" D x 2.4" H
- **Material:** Painted aluminum extrusion
- **Mounting:** Flanges w/ mounting holes

**Environmental**
- **Storage Temp:** -40 to +70°C
- **Operating Temp:** -30 to +60°C, 98% RH
- **Vibration, operating:** 4G RMS, 5Hz to 150Hz
- **Endurance:** 8G RMS, 100Hz to 1,100Hz
- **Shock:** 30G peak, 6 milliseconds
- **EMI/RFI:** FCC 15, class A

Specifications are subject to change without notice.