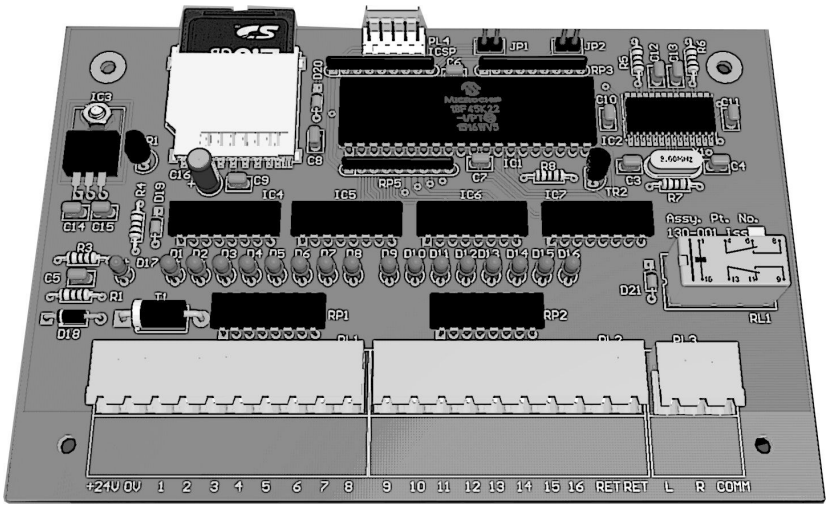
DMM16 Digital Message Module
Technical Data Sheet

DMM16 /Mar 2016



The DMM16 Digital Message Module can store up to 999 high sound quality audio messages on a standard SD card. Messages are played by connecting one more of the inputs to 0V either through a volt free contact or open collector transistor.

The module is supplied a complete and tested printed circuit board assembly for system integrators to incorporate into automated announcement systems, such as lift systems, transportation systems, vending machines or interactive museum exhibits. It is supplied with a 128MB pre-formatted SD card which should be sufficient for most applications, but can be replaced with a larger capacity card if required.

Messages can be recorded on a computer then saved on the SD card using a suitable card writer. Audio files types MP3 (MPEG 1.0 & 2.0 audio layer III (CBR, VBR, ABR) or IMA ADPCM are supported. Low level audio output is provided to suitable for connection to an external amplified speaker system with an input impedance of 30Ω or higher.

The two output channels can be used for stereo sound or may be used for two different messages. Where two languages are required a simple changeover switch may be used to direct one the two outputs to the speaker system.

Benefits:

- **Variable length messages**
- **Two operational modes**
- **Two output channels**
- **Optically isolated inputs**
- **LED status indicators**

Typical Applications:

- **Lift announcement systems**
- **Vending equipment**
- **Public Transportation**
- **Interactive Museum Exhibits**
- **Control Systems**

Specification

Files types:	MP3 or IMA ADPCM
SD card capacity:	128MB to 32GB
SD card format:	FAT 16 or FAT32
Audio output channels:	2
Sample Rates:	8KHz to 48KHz
Operating voltage:	18-24VDC
Operating current:	less than 100mA
Dimensions (mm):	150(W) x 100(H) x 20(D)
Fixing holes (mm):	130 x 80 x 3.5mm dia.
Operating Temp.:	0 to 60°C

Number of messages:

Simple Mode:	16
Extended Mode:	999

Compliance:

RoHS directive (2002/95/EC)

Low Voltage Directive (2006/95/EC)

Detachable input and output connectors are provided to facilitate installation and wiring.

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