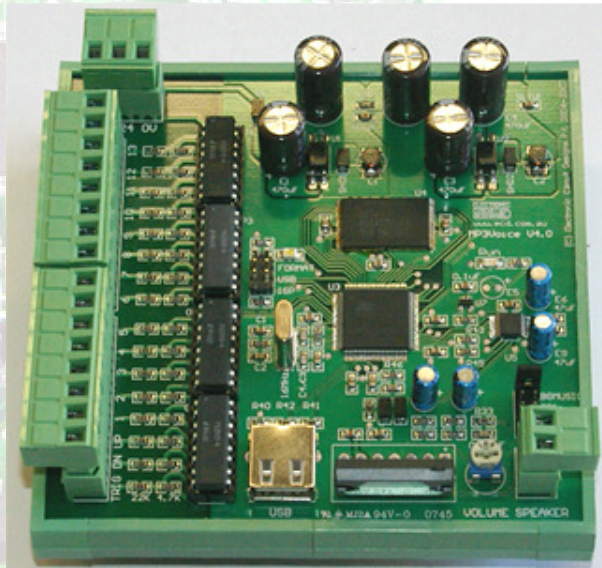


## MP3 Voice Board

**Description:** The MP3 Voice board is a voice unit that outputs MP3 files on command from specified 24Vdc inputs.

When used in an elevator it uses floor inputs and a trigger to voice floor messages. On receipt of direction inputs it voices the direction of travel. The unit also has 5 inputs which can be used for general messages.



### Features:

- 8 inputs for floor messages which can be direct inputs or configured in grey code or binary.
- 1 trigger input for initiating floor messages.
- 2 direction inputs for direction messages.
- 5 additional inputs for other messages which can also be direct inputs or configured in grey code or binary.
- Inputs may be positive or negative switched.
- Mono speaker output.
- USB port for high speed programming of board.
- Programming software available.

### Wiring:

- Supply is wired to 0V +24 terminals. This is a 24Vdc supply.  
*Note: If a switch mode power supply is used it is recommended that the supply wires be looped through a ferrite core*
- All inputs use the "C" common terminal as their reference.
- If "C" is 0V then the inputs shall be 24V. (See diagram on next page)
- If "C" is 24V then the inputs shall be 0V
- Inputs:
  - TRIG – On rising edge of this input turning on, the floor messages shall be sounded as per their respective input.
  - 1...8 – Floor Inputs 1-8 shall be sounded on receipt of the rising edge of the TRIG input. The floor inputs may be configured as direct, binary or grey code. If Binary or grey code is used the inputs shall be thought of as... 1 = 1, 2 = 2, 3 = 4, 4 = 8, 5 = 16, 6 = 32, 7 = 64 and 8 = 128.
  - UP, DN – Direction of travel messages, "going up or "going down", shall be sounded after the floor input message.
  - 9...12 – General message inputs sounded once only when the input turns on.
  - 13. No input floor message.
- Speaker – "SPEAKER" terminal. Wire SPEAKER to these terminals.

**Settings:**

- ISP Mode link: Not used.
- USB Mode link: Installed for programming unit. Ensure no inputs are turned on while in this mode.
- FORMAT Mode link: If installed with USB Mode link installed, on power up for 5 seconds, the memory shall be re-formatted.  
*(FORMAT Led will turn on then off to indicate a successful formatting)*
- BGMUSIC link: Installed to play background music. The music will stop after 30s since the last trigger.
- SP1 – SP3 links: Not used

**Led Indicators:**

- Red Led (Run): Indicates that the microprocessor is running
- Yellow Led (Format): Indicates the formatting process is occurring.

The diagram below is an example of positive switching inputs. +24VDC inputs, 0VDC common.

