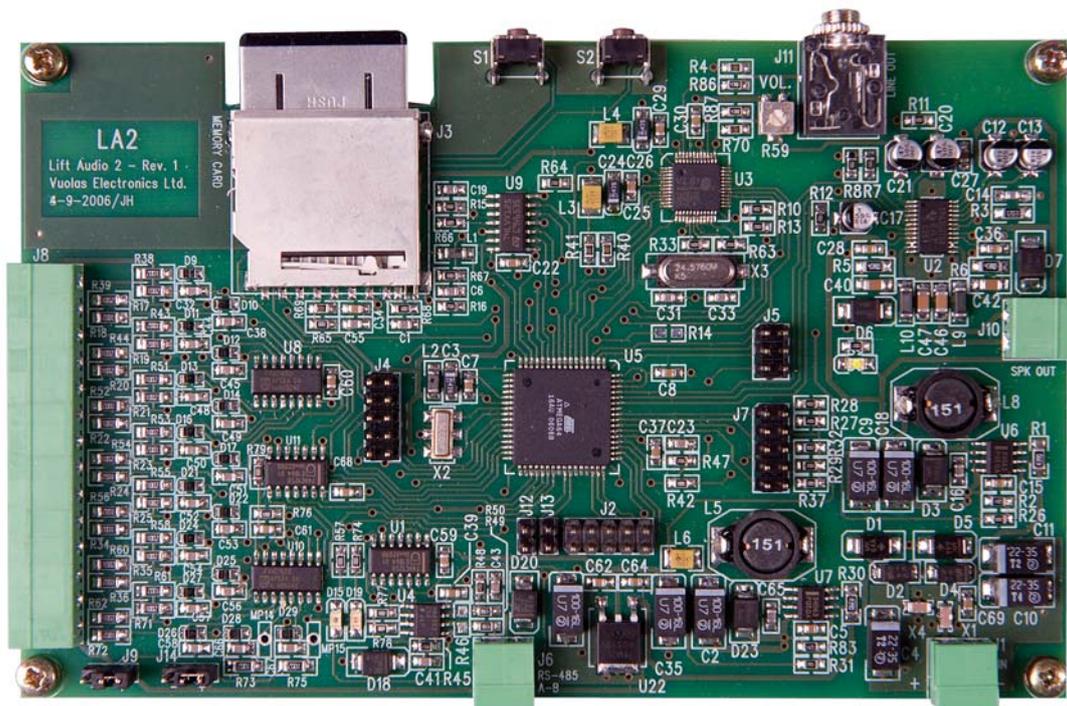


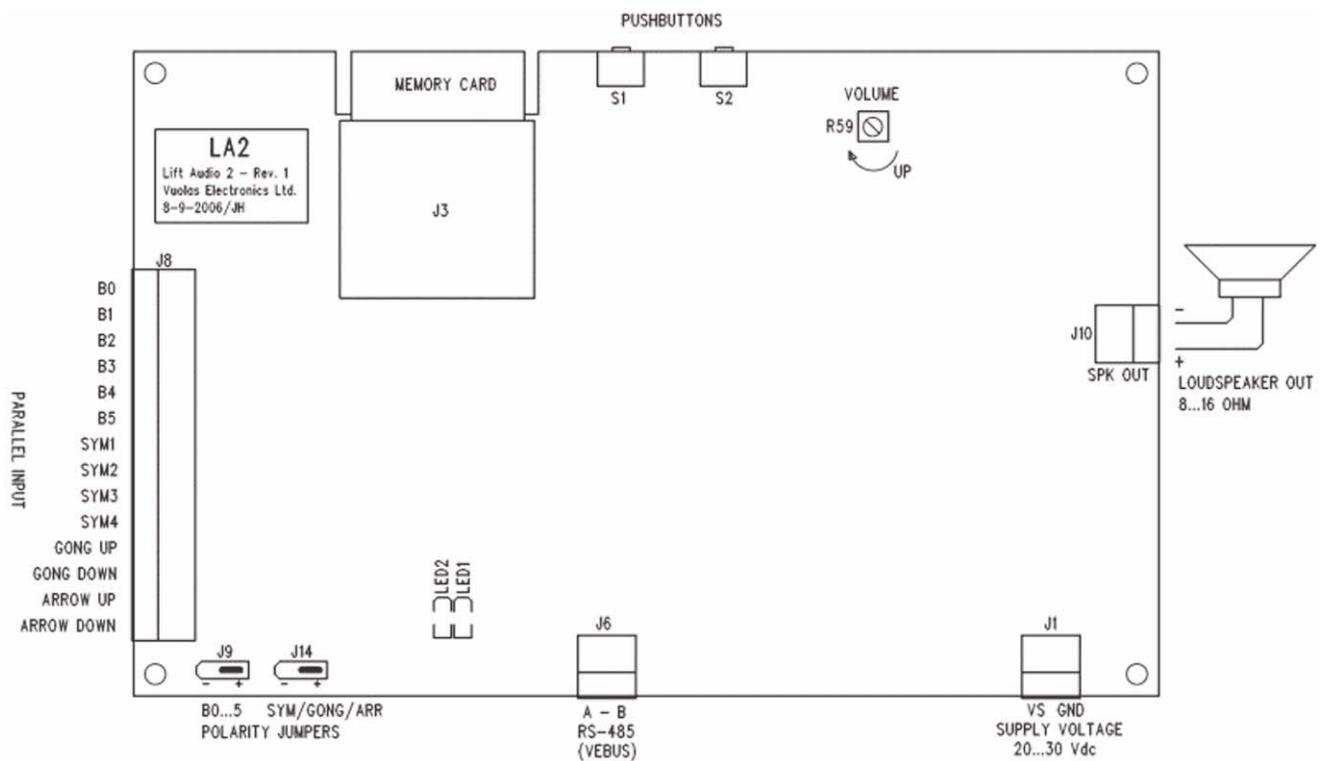
Advanced voice announcer unit for lifts



LIFT AUDIO 2 is fully independent voice playback unit. It is capable of announcing floor markings and other possible special indications. There is also a possibility to play background music. The unit can be connected either to a typical parallel control interface or to a RS-485 based VEBUS interface. Advanced digital technology ensures high quality and natural voice reproduction. On board potentiometer can be used for sound volume adjustment. Default set of voice sample files includes 59 english samples spoken by female. Due to a standard detachable memory type it is easy to change voice samples for example to a different language or add new background music.

Functional specifications

- Applicable for assembly either to the car or to a level
- Maximum number of floors is 32
- Enables high quality voice announcements of floor markings and special indications
- Voice announcement is played when gong or symbol inputs are triggered (or through VEBUS control)
- Standard flash memory type for voice sample files
 - Lots of space
 - Exchangeable
 - User can easily change or modify the voice sample files with PC computer (requires MMC memory card reader)
- Includes sample files
 - English, female
 - Used for creating the needed voice announcements
 - Numbers 0...9, letters A...Z, minus sign and three special indications
- Built in high performance audio power amplifier for driving external loudspeaker
- Adjustable loudspeaker volume
- Capable of playing background music



Electrical connections

- Operating voltage range 20...30 VDC (max. 5% ripple)
- Current consumption <100 mA @ 24 VDC (without loudspeaker)
- Parallel interface has:
 - Internal 10 kW pull-down or pull-up resistors (jumper selectable)
 - Input voltage range: 0...30 VDC
 - Logic 0: 0...1VDC
 - Logic 1: 10...30 VDC
 - Parallel mode position input coding is selectable: Binary/Gray, 5-bits
 - 4 inputs for the symbol indications control
 - 2 inputs for the gong control
- VEBUS serial communication interface (optional)
 - RS-485 compatible bus connections
 - Protocol is developed and optimized for lift applications
- Loudspeaker impedance: 8...16 W
- Adjustable volume (trimmer potentiometer)
- Memory card, MMC
 - Default 128 MB, or up to 1 GB
 - Supports FAT12, FAT16 and FAT32 (FAT16 recommended)

Audio

- MP3 playback, 160 kbps bitrate recommended
- Supports MPEG-1 and MPEG-2 Layer III (CBR, VBR, ABR)
- Audio amplifier,
 - Max. 8W @ 8 Ohm
 - Overload protection: current limit and thermal shutdown
 - 1-channel (left)

Configuration

- The device is configured using a setup file in memory card's root directory
- The change or modify the files in memory card, you need a memory card reader, which supports Multimedia card (MMC)

Size and environment

- Physical dimensions: 150 mm x 95 mm x 13 mm (+ additional space for connectors)
- Weight: 75 G
- Operation environment: 0...70 °C, RH: <85% (no condensation)
- Not to be used in wet, moist or dusty environment