

Speech Unit 160163 Instruction Manual

The speech unit produces audible messages and as default is supplied with 127 audio clips in female voice to produce all standard speech messages required, these can be assigned to action states whilst the lift is both in and out of service. The speech unit will be provided without an SD card fitted as the speech messages are stored in the onboard memory. The SD card slot is only used to upload audio files to the speech unit in the factory or when customised messages and alternative languages have been provided. Please contact technical support for assistance with obtaining customised messages and alternative languages.

If you are replacing an existing ILE speech unit, please be aware the location of the POWER, CAN, and SPEAKER connections on this new board differs! The connections on this board follow the same arrangement as the latest set of node boards for consistency so ensure you check the wiring schematic prior to connection.

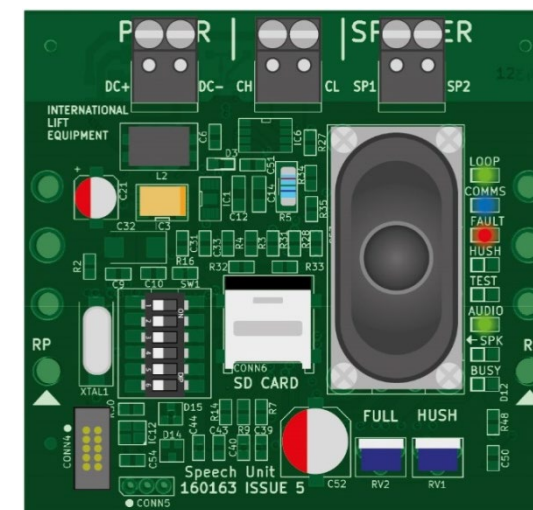
Communication with the speech unit is via the CAN connections marked CH and CL. The power connections are marked as DC+ and DC-. The external speaker connections are marked SP1 and SP2. There are also diagnostic LED's associated with the speech units operation (See diagnostic LED table for detailed description). Fig 1 shows the basic board layout, connection locations and diagnostic LED's, which are flashed in sequence at power up.

If the speech unit is attached to a DIN rail, a screwdriver should be inserted to the holes marked RP and upward pressure applied to release the DIN rail clips whilst putting downward pressure on the PCB. If the board is to be mounted via the standoff posts with the self-adhesive pad provided the mating surface should be clean and free of contaminants to promote maximum adhesion.

DIP Switch 1	Audio Testing
OFF	Normal operation
ON	All speech phrases stored are played in sequence. The on-board or external speaker is selected using DIP Switch 2 Hush or full volume is selected using DIP switch 3 Full and Hush volume is controlled using RV1 and RV2
DIP Switch 2	Speaker Selection
OFF	Audio output is by the external speaker connected to SP1 & SP2
ON	Audio output is by the on-board speaker
DIP Switch 3	Volume Selection (With DIP switch 1 ON)
OFF	Full volume selected and controlled by Full potentiometer.
ON	Hush volume selected and controlled by Hush potentiometer.
DIP Switch 4	Volume Control Override
OFF	Normal operation
ON	Audio volume is controlled using RV1 and RV2. Volume settings sent by the CAN-X are ignored.
DIP Switch 5	Secondary audio test
OFF	Normal operation
ON	Software generated beeps produced without the need for speech data to be present in memory.
DIP Switch 6	Audio data select
OFF	Female voice data used
ON	Alternative voice data used

LED	Illumination	Indication
LOOP	FLASHING	Normal operation
COMMS	PULSE	CAN message is received or transmitted
FAULT	ILLUMINATED	A hardware or data error has been detected contact technical support for assistance
HUSH	ILLUMINATED	The last message processed used hush volume
TEST	ILLUMINATED	DIP switch 1 ON (Audio test active)
AUDIO	ILLUMINATED	An audio signal is being processed
SPEAKER	ILLUMINATED	DIP Switch 2 ON (Local speaker active)
BUSY	FLASHING	The speech board is busy during SD card audio data copy / memory erase / audio data checking.

Fig 1



Power Supply Specification	
Operating Voltage	10-30VDC
Operating Current	150mA

EMC

Care should be taken when running the group interconnect cable. All CAN interconnects should be segregated from mains / motor wiring and the screens connected to the screen clamps provided. If the interconnect cables need to pass across high voltage cables, they should do so at right angles. For further information on EMC refer to the ILE EMC manual.