

LB-5A Digital Audio Storage and Replay Unit

Latest generation of the LB (Little Bird) family incorporates the latest MP3 technology to store and replay recorded voice messages, music or tones for security/safety, retail, museum/leisure and advertising applications.

Files are stored on an internal USB memory stick with an 8 hour * memory capacity allowing material to be changed or replaced easily.

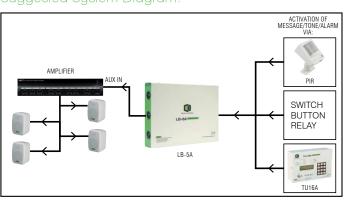
The 15 channels can be individually accessed or activated by voltage-free NO or NC contacts, buttons, switches, PIR devices, or via the TU-16A Timer. A pulsed activation will allow just one loop of the required recording; however, if the activation contact remains, the recording will play continually until disengaged (Groups 1 & 2 only).

A line level audio output signal is provided for interface to the amplifier.

Features

- MP3 audio storage technology
- Three configurable Groups of 5 Messages, 5 Chimes & 5 Tones
- · Additional BGM music facility
- Audio File Group 1 has priority over 2, 3 & BGM; Groups 2 & 3 have priority over BGM
- · Audio files stored on internal USB memory stick
- · Sample audio files supplied
- Line level output via stereo phonos or balanced mono screw terminals
- 3.5mm 'monitor' headphone jack socket
- 12v DC powered (supplied with mains adaptor)
- · Adjustable interval timer
- · Signal 'Looping' or 'One-shot' operation
- Secure, robust & stylish steel case (wall mountable)

Suggested System Diagram:



LB-5A Contral Voice Units

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Specification:	Value:	Comments:
Directly Accessible Audio Files	Total 15	Split into three banks of five
Background Music Files	256 (Using 1Gb Memory Stick supplied) *	Played randomly
Audio File Format	MP3	MPEG1 audio layer 3
MP3 Bit Rate	Up to 320Kbs	Any standard MP3 bit rate
Min Contact Closure Time	< 300mS	-
Wiring Termination Type	PCB screw terminals	-
USB Memory Stick Capacity	32Gb Maximum	Supplied with 1Gb
USB Memory Stick Format	FAT 16, FAT 32	-
Audio Outputs	Phono sockets Screw terminals 3.5mm stereo jack	Unbalanced stereo / mono Balanced mono Headphone monitoring
Audio Output Level	Line level (775mV RMS)	Excl. headphone
Audio Frequency Response	30Hz ∼ 18KHz ±3dB	Affected by bit rate
Audio Output Impedance	Less than 1KΩ	-
Power Supply Input	12v DC ±15% @ 300mA	Unit supplied with plug top power supply fitted with 2.1mm DC Power Jack
PIR Supply Output	12v DC ±15% @ 100mA	The supplied PSU will power up to 3 PIRs
Power Consumption	2.5W typical	5.5W maximum
Operating Environmental Temperature	10°C ~ 35°C	-
Case Dimensions	210(W) x 160(H) x 42(D) mm	Excl. power supply
Case Material	Painted mild steel	-
Weight	1kg	-



^{*} Dependent on memory stick storage capacity