

SoundBrick® 1400



In-Store Messaging • Point-of-Purchase Advertising

Nel-Tech Labs Digital Messaging System

The **SoundBrick® 1400** is a solid-state digital audio recording and playback device designed to inject voice messages over a separate customer-provided background music (BGM) feed. It is most widely used for in-store broadcasting to provide a store's public address (PA) system with a continuous feed of music, interrupted with voice messages at a selected time interval, for example, every 5 minutes.

Voice messages load into the SoundBrick's digital memory automatically from your pre-recorded cassette tape. Messages can also be recorded live using the optional handset, providing store personnel the ability to record custom messages whenever needed. The SoundBrick 1400 offers great flexibility in how and when messages are played. Most commonly, messages are set to play on a timed basis, with a delay ranging from 10 seconds to 30 minutes between each one. On-demand play is available from the SoundBrick's keyboard. In addition, message play can be remotely activated by connecting devices such

as buttons, switches, or motion sensors to the optional trigger cables.

The SoundBrick is also available in dual-output versions. The "1400DS" version will play the same message out of both outputs on different time intervals while the "1400DD" version will play different messages.

The SoundBrick 1400 features include:

- 8, 16, or 32 minutes of messages
- User-selectable bandwidths up to 11.5KHz
- Sample rates up to 460Kbps
- Internal motorized CD-style tape drawer
- Built-in monitor speaker
- Separate 8Ω and 1KΩ RCA output jacks
- Continuous, timed and on-demand play
- BGM music input, timer and fader
- 5-year parts and labor warranty
- Manufactured in the USA

Each SoundBrick 1400 is built to exacting quality standards using state-of-the-art SMT (surface mount) assembly for outstanding reliability and years of dependable service.



Specifications

Technical

Encoding 16-bit ADPCM
 Frequency Response 200Hz to 6.5KHz or 11.5KHz
 Sample Rate 263Kbps @ 6.5KHz or
 460Kbps @ 11.5KHz
 Signal-to-Noise >96dB
 Memory Type High-density FLASH
 Memory Capacity 8, 16, or 32 min. @ 6.5KHz
 Message Capacity 2, 4, 8, or 16
 Message Loading Cassette or handset

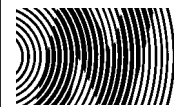
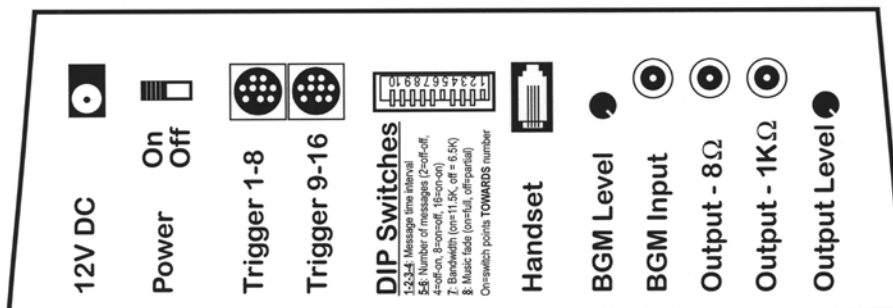
Message Playback Continuous, timed, trigger, and on demand
 Power 12VDC @ 500mA
 Audio Output Mono RCA jack for combined message and music output
 Impedance 6V p-p @ 8Ω or 12V p-p @ 1KΩ
 Size 8.50" x 7.50" x 3.00" (H x W x D)
 Color Black
 Shipping Weight 3½ pounds

Memory Tables

The sample-rate of your audio will determine audio quality and maximum storage time as shown in the table below.

Sample Rate	Frequency Response	8 Minutes Base	16 Minutes Base	32 Minutes Base
263Kbps	6.5KHz	8 Minutes	16 Minutes	32 Minutes
460Kbps	11.5KHz	4 Minutes	8 Minutes	16 Minutes

Back View



Nel-Tech Labs, Inc.
 4 Ash Street Extension • Derry, NH 03038
 800.344.4685 • 603.425.1096
 www.nel-techlabs.com • sales@nel-techlabs.com