

Messenger® MP3



Plays Standard
MP3 Files!

Message-On-Hold • Background Music Source

Nel-Tech Labs Digital Messaging System

The **Messenger® MP3** is a state-of-the-art digital audio playback device designed to provide a continuous-play audio source for message-on-hold, background music, or any other audio application where high-quality audio playback is required. Messages are stored on non-volatile removable flash media cards called Message Mates that can store up to 64 minutes of audio. The Messenger is capable of playback of MP3 files from 8Kbps all the way up to full CD-quality audio playback of 128Kbps/48KHz.

Unlike 3rd party consumer media, Message Mates are manufactured by Nel-Tech Labs. This means that you will never have to worry about uncontrollable 3rd party media issues: this includes periodic driver/firmware updates, special software, employee theft, or long term availability. Message Mates can be programmed using the Messenger and a standard PC running Windows XP® or above. Simply plug a USB cable from the Messenger into an available USB port on your computer and the Message Mate plugged



into the Messenger will show up as a removable drive. Once connected, files can be added or removed by a simple drag-and-drop. No special software is required - just plug and go!

The Messenger MP3 features include:

- 64 minute removable media (32Kbps)
- Continuous playback of standard MP3 files
- Change audio via PC/USB or flash card
- Plays single or multiple MP3 files
- Playback quality up to 128Kbps/48KHz
- No driver updates or special software needed
- Space saving footprint
- LED status indicator
- Exceptional dealer support
- 5-year parts and labor warranty

Each Messenger MP3 is built to exacting quality standards using state-of-the-art assembly equipment for outstanding reliability and years of dependable service.



Specifications

Technical

Encoding MPEG (.mp3)
Frequency Response ... 20Hz to 20KHz
Bit Rate 8 to 128Kbps
Sample Rate 16KHz to 48KHz
Signal-to-Noise >100dB
File Compression 6:1 to 96:1
Memory Type High-density FLASH
Memory Capacity 64 minutes @ 32Kbps (base)
Message Capacity Up to 250 messages

Message Loading Message Mate card or PC/USB
Message Playback Continuous
Power 12VDC @ 500mA
Audio Output Mono RCA jack
Adjustable volume control
Impedance 6V p-p @ 8Ω or 3V p-p @ 600Ω
Size 1.25" x 4.75" x 4.40" (H x W x D)
Color Translucent Blue
Shipping Weight 1½ pounds

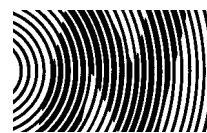
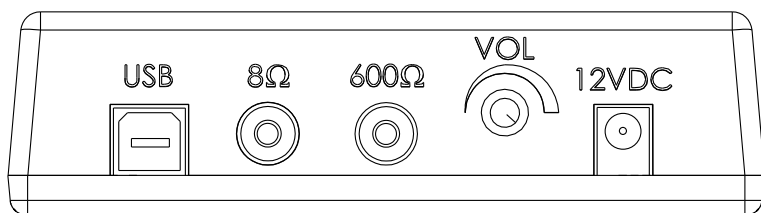
Memory Tables

The bit-rate of your .mp3 audio files determine audio quality and maximum storage time as shown in the table below.

Bit-rate	Quality	Message Time
32Kbps	Analog Telephone	64 Minutes
48Kbps	↓	40 Minutes
64Kbps		32 Minutes
96Kbps		20 Minutes
128Kbps	CD	16 Minutes

Base message time calculated using a 16MB flash memory with a 32Kbps .mp3 file. Bit rates of 32Kbps or greater are recommended for quality playback.

Back View



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