



Li Creative Technologies, Inc.

MaskPhone™

for Clear, Noise-free Firefighter Communications

Headquarters

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Bluetooth



Description

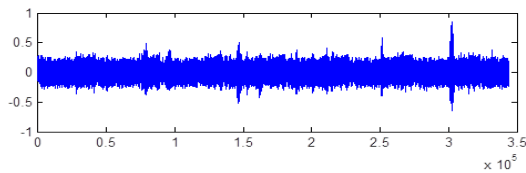
Li Creative Technologies (LcT) has developed a state-of-the-art communication device for firefighters and first responders in high-noise environments. The MaskPhone™ was designed with the support of the Departments of Homeland Security and Defense and the valuable input of firefighters. The MaskPhone enable noise-free and hands-free communications when a facemask is worn. When a facemask is not worn, it serves as a lapel microphone. The MaskPhone and accompanying radio dongle provide face-to-face and radio communications. Both units can be fitted with LcT designed adapters for attachment to any SCBA or radio. LcT's MaskPhone is the answer to the vital need for clear, uninterrupted voice communications.

Features

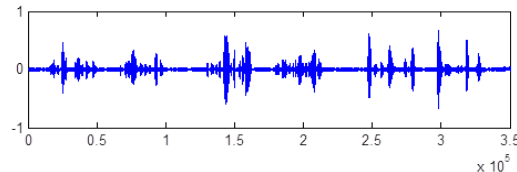
- Clear speech transmission
- >40 dB SNR improvement
- Hands-free (VOX) communication
- Mask and lapel modes
- Bluetooth technology
- Rechargeable battery

LcT's Novel Noise Cancellation Technology

The MaskPhone utilizes a new acoustic sensor and state-of-the art noise reduction techniques to reduce background noise and improve the signal-to-noise ratio by over 40 dB while preserving speech intelligibility.



Speech waveform recorded with chainsaw background noise using a normal microphone.



Speech waveform recorded with the same background noise using the MaskPhone. As shown, the background noise is removed and speech intelligibility is improved dramatically.

Audio Demos

www.licreativetech.com/demos

To experience the dramatic improvement in audio quality that LcT's MaskPhone provides, please visit our website at www.licreative.com/demos.

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Patent Pending

MaskPhone Firefighter Communication Device

Features

- Clear speech transmission
- >40 dB improvement in signal to noise ratio (SNR)
- Hands-free communication
- Multiple use scenarios—face-to-face, radio, with mask, without mask
- Bluetooth technology; no cables
- Rechargeable battery for 6 hours of usage
- Dual mode: mask and lapel
- Small form factor
- Voice amplification for face-to-face communications
- Supports voice operated and push-to-talk radio modes
- Ear speaker for incoming radio messages and external speaker for face-to-face talk
- Low profile design does not block vision
- Easy and secure attachment to facemask
- Panic button transmits emergency signal via speaker and radio

Business Opportunities

LcT is seeking business partners to bring this novel device to the firefighter market. LcT is looking for relationships with manufacturers of NFPA and NIOSH certified firefighter SCBAs. The MaskPhone can be integrated with your SCBA or SCBA communication system. Businesses in other industries that require noise suppressing communication gear are also encouraged to contact LcT for business opportunities.

Contact

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Our Company

Li Creative Technologies (LcT), Inc., located in Florham Park, New Jersey, USA, has been working as a speech, audio, and biometric technology provider and R&D contractor for over ten years. LcT licenses and sells technology, software, design, and product solutions to the mobile device, communications, speech, chip, healthcare, and transportation industries. Our smart microphone technologies optimize voice quality and improve speech recognition accuracy. LcT is a winner of the 2011 CES Innovations Design and Engineering Award.