



## GAO Research Inc. Call Progress (CP) Software

**GAO Research Inc.**

*#1 In Embedded Communications Software*

<http://www.gaoresearch.com>

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### **Features**

- ▶ Implemented in assembly or C.
- ▶ User-callable functions.
- ▶ Low data and program memory requirements.
- ▶ Easily configured to different cadences and tones.

### **Product Description**

GAO's Call Progress software provides full call progress tone detection and generation functionality and operates on PCM samples. Call progress is a tonal signaling standard that is used to acquire connections between subscribers in telephone network systems and to indicate the status of the incoming and outgoing phone calls. The GAO CP software module is able to support the following signals:

- Dial Tone
- Busy Tone
- Congestion Signal
- Ring Back
- Off Hook

GAO's CP software consists of two user-callable functions that perform the detection, generation, and initialization operations.

### **Leadership in Embedded Communications Software**

With nearly two decades of experience, GAO leads the embedded communications software market by providing comprehensive modem, fax, speech, and telephony technologies; broad technical expertise; and unsurpassed support to our world-class customers including electronics, communications, and semiconductor companies across the globe. GAO's software integrates easily with MP3, MPEG, TCP/IP, and most popular real-time operating systems.

### **Rigorous Testing**

GAO's testing facilities are equipped with state-of-the-art test equipment. Our software is rigorously tested on TAS, Consultronics, Rochelle, Advent and Telegra equipment under various channel models according to the relevant ITU or TIA standards. All GAO's speech software has passed the test vectors specified by the ITU. Our telephony software meets all appropriate TIA, EIA, BellCore, and Mitel standards. GAO also adheres to stringent quality control procedures, which is reflected in our well structured code, detailed design documentation, and well-defined design and test plans.

### **GAO Research Inc.**

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