

# 8001 IP Alerter

## Installation & User Guide



### Visual & Audible Alerting Interface for Nortel IP Phones 2002 & 2004 with CS 1000



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# 8001 IP Alerter

## Introduction and Overview



The 8001 IP Alerter is an add-on device that allows external visual or audible alerters (purchased separately) to be used with Nortel's IP 2002 and 2004 telephones with a Communication Server 1000 (CS 1000).

By connecting to the back of the telephone, the IP Alerter is able to decode information to provide two relay outputs – one for Ring and one for In-Use. Each relay output is compatible with Algo's 1825 Duet Plus Loud Ringer, 1127 Visual Alerter, or 1126 Strobe Light.

Typical applications include ring notification in noisy or noise-sensitive environments such as factories, warehouses, hospital nurseries and recording studios. Other applications include use in emergency service environments where telephone answering and quick response are critical (e.g. fire, ambulance, and police).

### **How it works**

By connecting to the telephone's Key Expansion Module (KEM) port, the IP Alerter is able to decode information to provide two relay outputs – one for Ring and one for In-Use. These outputs are

compatible with Algo's 1825 Duet Plus Loud Ringer, 1127 Visual Alerter, and 1126 Strobe Light.

**Key Features**

- Monitors IP telephone for Ring and In-Use at the telephone location
- May be connected directly to telephone, or downstream of one or more Key Expansion Modules
- Powered by telephone

**Requirements & Compatibility**

- Requires Nortel CS 1000 (Release 4.0 and later)
- IP 2002 or 2004 telephone

**Using the Alerter****Connecting to Phone or KEM**

1. Remove telephone or KEM from stand
2. Attach the loose ribbon cable connector of the 8001 IP Alerter by pressing it firmly into the Expansion module port on the telephone or KEM
3. Press the 8001 IP Alerter firmly together with the telephone or KEM until the alerter locks into place
4. Reattach the telephone or KEM stand

**Configuration**

The 8001 IP Alerter appears to the CS 1000 system just as a KEM would. To configure the device, set Key 0 of the Alerter (the "KEM") in System Programming as an appearance of the line to be monitored.

**Connection to  
External Visual  
or Audible  
Alerters**

The IP Alerter has two different output connections, one for Ring indication and one for In-Use indication

Each of the outputs can be connected to one of two different external visual alerting devices (from Algo):

- 1127 Visual Alerter (for low-intensity desktop/office or near-area visual notification)
- 1126 Strobe Light (for high-intensity wide-area visual notification)

As an alternative to one of the above alerting devices, the Ring output can be connected to the Algo 1825 Duet Plus Loud Ringer. In addition, the output of the 1825 can be connected to an external loud speaker such as the Algo 1185 Horn Speaker.



*For details about using and setting up external alerter devices, please consult the documentation provided with those products.*



*Typical application with Algo 1127 Visual Alerter connected to the In-Use relay output*

## Specifications

### General

Dimensions 3 x 5.5 x 9cm (1.2 x 2.2 x 3.5")

Weight 40g (1.4 oz.)

Power No external power required. Power is provided from phone or KEM

Color Charcoal grey

### Telephony

Compatibility Nortel IP Phones 2002 and 2004 with CS 1000 Version 4.0 or later. Note: Firmware update to version B63 required for pre-phase 2 telephones.

### Relay Outputs

Number of Outputs Two: one each for Ring and In-Use indication

Connection 2.5mm jack

Voltage Max 30V SELV

Current Max 50mA non-inductive

### Regulatory

Requirements Met FCC Part 15/B, RoHS, CSA (USA & Canada), CE

## Hardware Warranty and Repair

Each 8001 IP Alerter is warranted to be free of defects in material and workmanship for a period of 18 months from the date of manufacture. A label on the bottom of the unit identifies the manufacturing code in the year and week format (0820YYXXXX for the twentieth week of 2008).

If you need to return the product for repair, please contact Algo Communication Products Ltd for a Return Merchandise Authorization (RMA) number and instructions prior to shipment. All products returned for repair should be shipped freight prepaid with the RMA# clearly visible on the package. Products will be returned freight collect for out-of-warranty repairs or returned prepaid for warranty repairs in Canada or the USA.

In North America, ship product for repair with RMA# to:

### **Algo Communication Products Ltd.**

Repair Centre  
4500 Beedie Street  
Burnaby, BC  
Canada, V5J 5L2

Outside of North America, please contact Algo for the name of the nearest repair centre.

## Technical Support

Support for your 8001 IP Alerter is available from the supplier that you purchased the product from, or by contacting Algo directly:

Support Hours: 7am to 4pm Pacific Time  
support@algosolutions.com

Toll-free: 1-877-884-2546 (Canada & USA only)

Tel: (604) 454-3792

Fax: (604) 437-5726

You can also access resources on the Algo website ([www.algosolutions.com/supportcenter](http://www.algosolutions.com/supportcenter)) where you will find a Knowledge Base section, Application Notes, the latest version of this guide, software updates, and other information.

If you experience any trouble installing or using the 8001 IP Alerter, we are certainly interested in hearing about it and hope that you will let us know.

## Optional Enhancement Products

### 1127P Visual Alerter



A desktop or mountable visual indicator for message waiting, in-use or ring. Visible from all angles. Available in red, green, or blue.

[www.algosolutions.com/1127](http://www.algosolutions.com/1127)

### 1126P Strobe Light



A highly visible strobe light indicator available with clear, red, amber, or blue lens.

[www.algosolutions.com/1126](http://www.algosolutions.com/1126)

### 1825P Duet Plus



Multi-application loud ringer and paging amplifier for business telephone systems in an office or industrial environment.

[www.algosolutions.com/1825](http://www.algosolutions.com/1825)

### 1185 Horn Speaker



Weatherproof, 8 Ohm horn speaker can be used to significantly increase the volume of the 1825P Duet Plus Ringer.

[www.algosolutions.com/1185](http://www.algosolutions.com/1185)