

Event Monitoring Module for Nortel TDM Digital Telephones

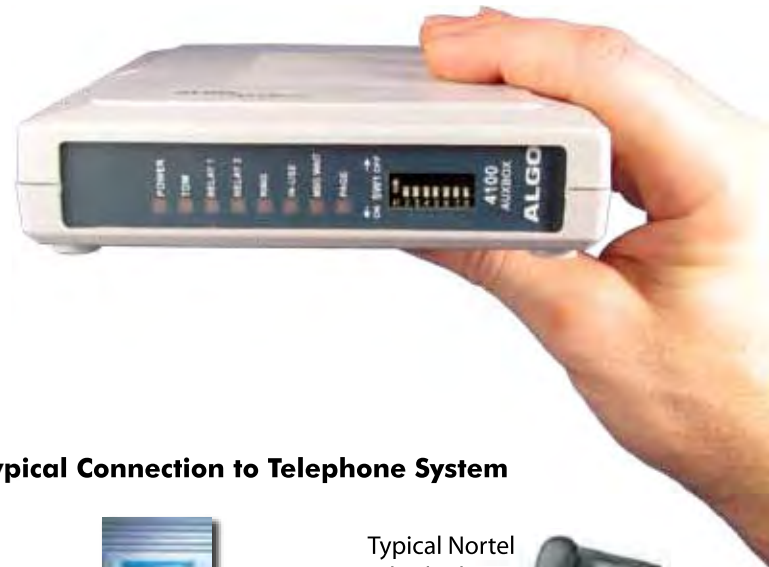
The Algo 4100 AuxBox monitors activity of a Nortel digital telephone for the purpose of event notification.

Relay outputs compatible with Algo visual or audible alerters can be used to indicate telephone in-use, message waiting, ring, and page audio. In addition, relays can be customized* for ACD queue status, icon display, key press, or almost any other event on the telephone.

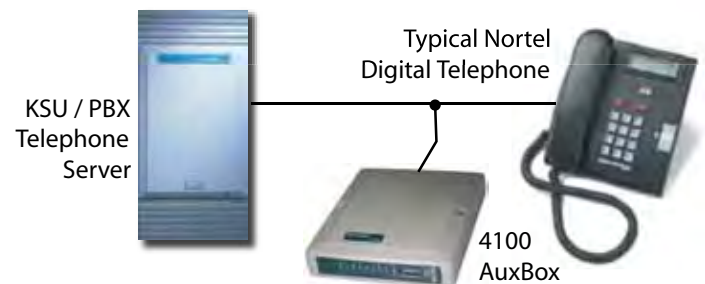
An analog audio output from the 4100 AuxBox can be used to connect to a recording system or amplifier, and is configurable for one-way receive-only or two-way audio channel requirements. Speech encoding can also be configured for A-law (i.e. Europe, Australia) and μ -law (i.e. US, Canada, Japan) applications.

New for the AuxBox is a USB port to allow field upgrade of firmware for custom applications.

*Contact Algo for custom firmware requirements



Typical Connection to Telephone System



Typical Applications

- Headset in-use indication for call centers
- Voice mail notification for important messages
- Night club, factory, or other noisy locations requiring visual and loud ringing indication
- 911 or emergency dispatchers requiring automatic headset switching based on in-use state of telephone
- Visual ring indication in quiet areas such as studio or hospital
- Threshold monitoring of a number of callers in an ACD queue
- Radio stations requiring mixing of telephone and microphone audio
- Amplified internal paging

Features

- Plug-and-play with any Norstar, BCM, Meridian 1, or Communication Server 1000 (CS 1000) systems
- Connects to digital wire pair at the telephone location or in equipment room
- Cannot affect the telephone operation – completely passive
- Provides two relay outputs
- Provides analog audio output
- USB port for custom programmability

Ordering Information

Description	Product Code
AuxBox desktop (North America) 117 V 60 Hz	4100

Please contact Algo for ordering information outside of North America.

Specifications

Power Supply	Adapter incl: 24 V 200 mA, Class II
Loop limit (from PBX/KSU)	3000 ft (900 m): Meridian 1 2600 ft (800 m): Norstar, Business Communications Manager
Bridge tap	10 ft (3 m) Recommended maximum (if not series)
Digital loop connection	RJ12 jacks series or bridging
Dry contact outputs	2.5 mm jack (qty 1 plug to plug cord provided) 50 mA 30 V maximum Two provided, option selectable for any combination of Ringing, In-Use, Message Waiting, or Paging
Analog audio output	3.5 mm audio jack 0 dBm or -12 dBm nominal 600Ω
Indicator LEDs	Power, TDM, Ring, Msg Waiting, Off-Hook (in-use), Page, Relay 1 active, Relay 2 active
Compatibility	Norstar/BCM: M7100, M7208, M7310, M7324, T7100, T7208, T7316, T7406 Meridian 1/CS1000: M2006, M2008, M2216, M2250, M2616, M3901, M3902, M3903, M3904, M3905
Dimensions	Width - 5.75" (14.5 cm) Depth - 6.75" (17.5 cm) Height - 1.5" (4.25 cm)

Web Links / Related Products

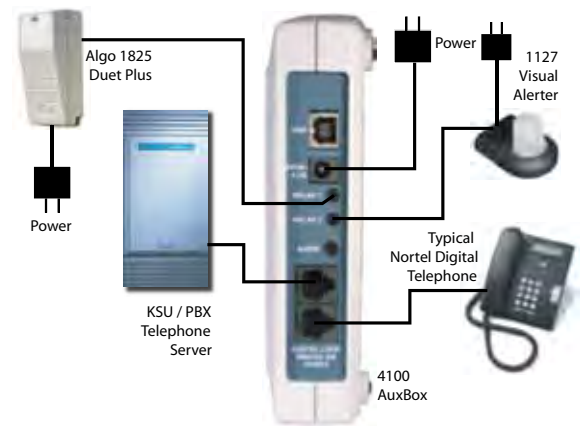
Visit the following links for in-depth product information, including User Guides, demos, and application diagrams.

4100 AuxBox	www.algosolutions.com/4100
Related Products	
1825 Duet Plus Loud Ringer	www.algosolutions.com/1825
1185 Horn Speaker	www.algosolutions.com/1185
1127 Visual Alserter	www.algosolutions.com/1127
1126 Strobe Light	www.algosolutions.com/1126

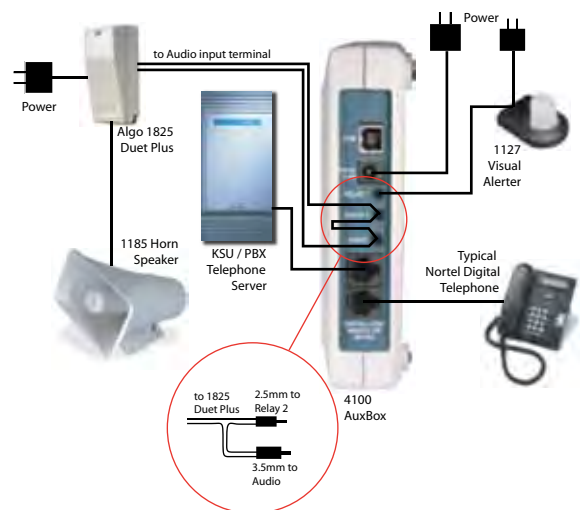
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Typical Connection Options

Loud Ringing & Message Waiting Notification



Set Paging & In-Use Notification



Strobe Light Ringing and In-Use Notification

