

- ✂ **Windows based program**
- ✂ **Easily installed and configured**
- ✂ **Visual display of all underground phones**
- ✂ **Call Queue**
- ✂ **Emergency control of external alarms**
- ✂ **Monitoring of Software and external devices**
- ✂ **Display of Nonverbal DTMF information**
- ✂ **Analogue or PSTN connection**

## DESCRIPTION

The Phone Manager II Software allows the monitoring of the ST2 Mine phone system from any location. It provides the operator with a visual display of all Mine phones, including monitoring of the system, mine phones and external hardware connected to the system.

Using the software, the operator can:

- Send an evacuation tone to all or selected Mine phones.

- Set up conference calls between phones on the network. Two separate conference calls of up to six phones which may include an external line and operator phone.
- Emergency Notification detects either a dialled number like 555 or the Emergency tone button on the Mine phones.
- Log calls for audit purposes.
- Displays DTMF tone numbers on screen when prompted by operator if verbal communication is not possible from the Mine phone Nonverbal communications.
- Additionally PM II, can act as a backup for the PABX. If the PABX fails, you can still ring phones on the network.
- External Relay Box ADAM provides dry contact relay for Emergency, Monitoring and Watch dog for making sure the PM is running
- External line connection is provided this allows the mine site to connect either a PSTN line of a GSM gateway to provide a back connect if the PABX fails
- The GUI displays the Extension number and its location of each Mine phone, when the mouse cursor is placed over the button it will display the line current and voltage.
- Monitor the Mine phone line integrity, if a Mine Phone is removed, cable is cut or short circuit an alarm is provided to the operator within several seconds. No longer do operators have to wait for faults to be reported by users the system provides the alarms within seconds.





## NON VERBAL COMMUNICATIONS FEATURE

In the event of the miner unable to speak as they may have donned their self rescuer or CABA, the operator can still receive communications after receiving an emergency call from a miner underground.

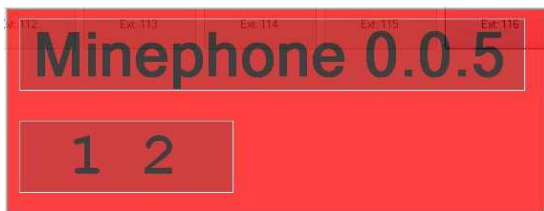
As an example shown below, the operator may ask the miner to press a button on the Mine phone keypad to answer back on a number of questions.

Operator: "are you OK?, press **1** for yes or **2** for NO".  
 Miner: pressed **1** and the operator will get on the display – miner OK.



Then press on the red Square with a left click of the mouse to clear the message.

Operator: "how many people are there with you?"  
 Miner: presses **1 2** and the operator will get on the display – 12 people with miner.



This is just an example and the mine site will need to set up a management plan and/or flow chart to follow this type of scenario so operators and miners can understand each other in this situation.

## SUPPORTED PLATFORMS AND PRE-REQUISITES

This software and drivers have been tested and supported on the following platforms:

- Windows Vista (32 bit)
- Windows 7 (32 bit and 64 bit)
- Windows 8 (32 bit and 64 bit)

All platforms require Microsoft .Net 4 to be installed.

## NET INSTALLATION

The .NET Framework is a software framework that runs on Microsoft Windows. It includes a library and provides language interoperability across several programming languages.

The Phone Manager II installer will prompt the user to install the .Net 4 framework before proceeding if it is required.

The latest version of the .NET framework is available from the Microsoft website for online installation.

## ORDERING DETAILS

DESCRIPTION	ORDER CODE
Phone Manager II software install kit	LINECONTROLLER08A



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