

## Controlling Stratos detectors via a modem

AirSense Technology have been asked at various times about connecting a modem to the Stratos detector to allow remote access for programming or retrieving logging information. This technical bulletin describes in detail the set-up necessary to achieve this.

### Stratos modem set-up

The modem to be connected to the Stratos needs to be set to automatically answer an incoming phone call.

Modems are set up using the AT (also called the Hayes) command set, so called because all commands start with AT and have a code after them instructing the modem what to do. These commands can be sent from a PC running the remote software at the screen displaying the legend '*Press RETURN to connect*' and need to be done only once.

Connect the Stratos modem to the PC temporarily with a serial cable and type in the commands in the following table. Commands sent to the modem are echoed back and displayed on the screen. After every valid command an OK is displayed, if ERROR is shown instead check that the command has been typed correctly. The following commands need to be sent to the modem to set it up.

command	purpose
AT&F	set modem to default settings
ATS0=2	auto answer after two rings
AT\Q	disable flow control, Motorola 3400 Pro
AT&K0	disable flow control, Zoom V.34 XE
AT&D0	ignore DTR
ATE	local echo off (the following commands will not be echoed to the screen)
ATQ1	messages off (no more OK messages will be displayed)
AT&W	save as defaults settings
AT&Y	power up with default settings

Once this set-up has been carried out the modem must be connected to the Stratos detector using a suitable cable.

### **Control PC set-up**

At the other end the controlling PC must be running the remote software and must also be connected to a modem. To dial the Stratos type the following command:

*ATD number*

Where *number* is the number of the phone line connected to the Stratos modem. The number will be dialed. Once the PC is connected to the remote Stratos the message CONNECT 9600 should be displayed. Once this is displayed the Stratos can be accessed in the normal way e.g. press return to connect.

### **Ending the session**

To close the line when finished use the following command:

+++ATH0

The remote software can now be exited in the usual way.

These commands have been verified on Motorola 3400 Pro and Zoom V.34 XE modems.