

# AWACS OVER SNMP

All Calrec consoles feature AWACS (Advanced Warning And Correction System). AWACS messages can be managed centrally using an SNMP (Simple Network Management Protocol) server.

All Calrec console and Master Router PCs provide an SNMP agent to forward error and warning messages to a central SNMP server, allowing equipment faults to be monitored and managed from a central location. A connection can also be made to a second SNMP server if required for redundancy.

### Connecting to the SNMP server

A USB to ethernet adapter is provided with each console PC for connecting to your central SNMP server. If multiple SNMP servers are used this connection should be made to a network switch to allow multiple onwads connections.

Router cores are provided with a rack mount PC which has a spare ethernet port to be used for connecting to your central SNMP server.

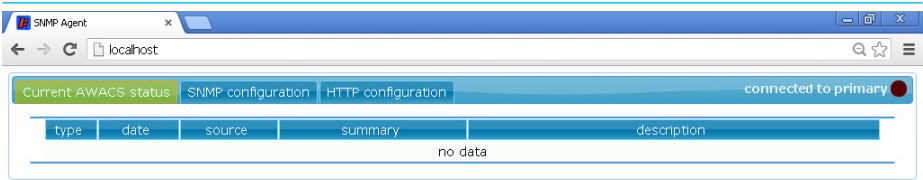
In both cases the ethernet ports used must be configured to be in range of your central SNMP server before configuration can continue.

### Configuring the SNMP Agent

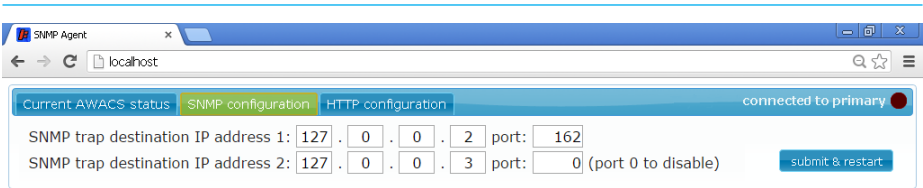
Each console/router core PC's SNMP agent must be configured individually. This can be done from the local PC by opening Google Chrome and entering 'localhost' in the address bar as shown here. SNMP agents can also be configured remotely by entering the IP address of the PC where the SNMP agent is running, including the port number (default: 80).

The SNMP Agent interface has 3 tabs. The Current AWACS Status tab shows a list of the current AWACS errors and

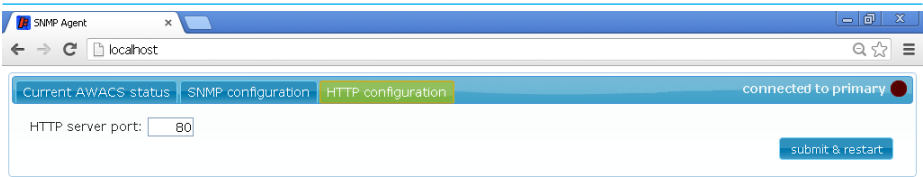
### SNMP AGENT - CURRENT AWACS STATUS TAB



### SNMP AGENT - SNMP CONFIGURATION TAB



### SNMP AGENT - HTTP CONFIGURATION TAB



warnings for the console or router that you are accessing.

Enter the IP address of the facility's main SNMP server within the SNMP configuration tab under 'address 1'; this is where the SNMP agent and SNMP server are connected together. If a second SNMP server is used enter it's IP address under 'address 2'. After making any changes, click SUBMIT & RESTART.

The HTTP configuration tab allows you to set the port number for access to the SNMP agent configuration interface, the default is port 80. If changes are

made here, the port will need to be specified when accessing the SNMP agent interface, for example, if the port is changed to 10, type 'localhost:10' in Chrome's address bar to access the SNMP agent interface. After making any changes, click SUBMIT & RESTART.

### Scope of AWACS over SNMP

Only AWACS error and warning messages are sent via SNMP, information messages are not sent. When errors are corrected, the relevant AWACS messages are cleared from the PC Main application and are simultaneously cleared from the SNMP server.