ASCENT Communication Technology

AH1000 HFC Headend Solution NMS

Quick Reference Guide

Revision A

ACT AH1000 Headend Solution NMS

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ACT Document Number: ACT AH1000 NMS Quick Reference Guide

User Guide Revision A

This document is produced to assist professional and properly trained personnel with installation and maintenance issues for the product. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.

For more information, contact ACT: support@ascentcomtec.com

Revision History

Revision	Date	Reason for Change
A	09/28/2016	Initial release

Table of Contents

1 Introduction

AH1000 Headend NMS is a powerful SNMP-based network management applications.

2 Installation, Login

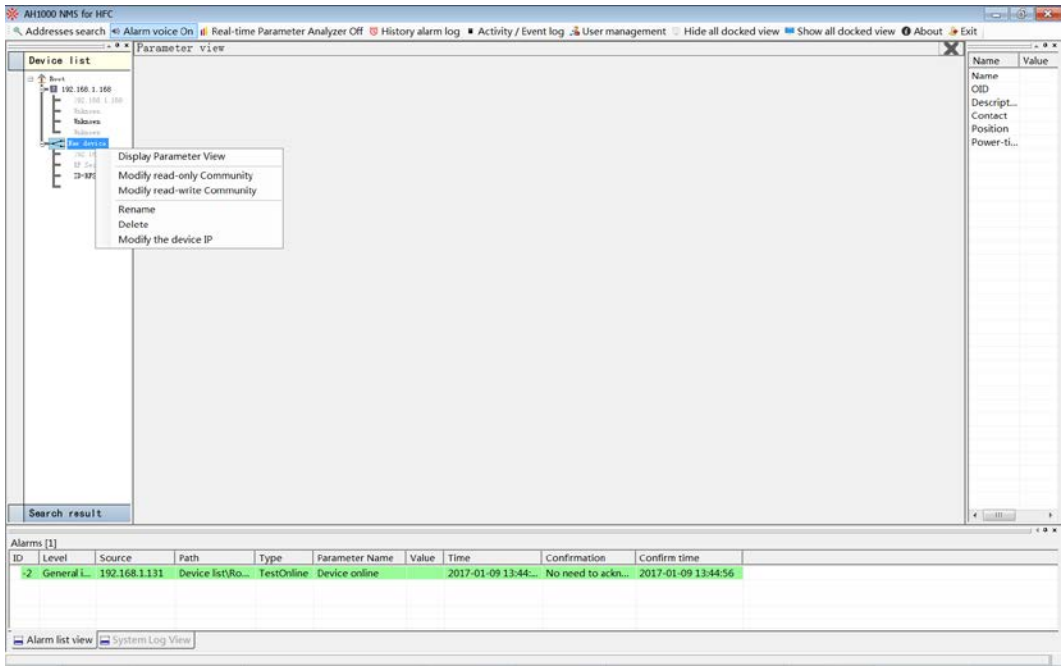
1. Basic environment
2. Windows Server 2003, Windows XP, Windows 7, Windows 8, Win 10
3. .NET Framework 2.0
   a. vjredist.exe
4. Install "…\VJSharpRDP\vjredist.exe"
5. Run "..\AH1000 Headend Platform NMS\AH1000 Headend Platform NMS.exe"
6. Initial login information:

   User: admin

   Password: admin

3 Device Tree

Right click the tree node. You can create, delete equipment/group. Or edit their basic information.



4 Parameter Settings

4.1 Supported Modules

AH10-PS-AC	AH1000 Power Supply 90-260VAC
AH10-PS-DC	AH1000 Power Supply 48VDC
AH10-SMM	AH1000 SMM module
AH10-F3ST-xx-S	AH1000 1310 Single Forward Transmitter, xxdBm, SC/APC
AH10-M3ST-xx-yy-S	AH1000 1310 Single CWDM Fwd Transmitter, xxdBm, CWDM 1yy0, SC/APC
AH10-F5ST-xx-S	AH1000 1550 DMOD TX, 1550nm, xxdBm, 1GHz, up to 20km SC/APC
AH10-F5ST-xx-yy-S	AH1000 1550 DMOD TX, 1550nm, xxdBm, ITU channel yy, up to 20km SC/APC
AH10-EDFA-xx-01-S	AH1000 EDFA Optical Amplifier, xxdBm output power, 1 output port, SC/APC
AH10-ARQR-ST-S	AH1000 Analog 200MHz Quad Return Receiver Standard version SC/APC
AH10-CRQR-ST-S	AH1000 Analog 300MHz Quad Return Receiver Standard version SC/APC

AH10-FRDR-S AH1000 Forward Redundant Receivers, 2 Optical In, 1 RF Out, SC/APC

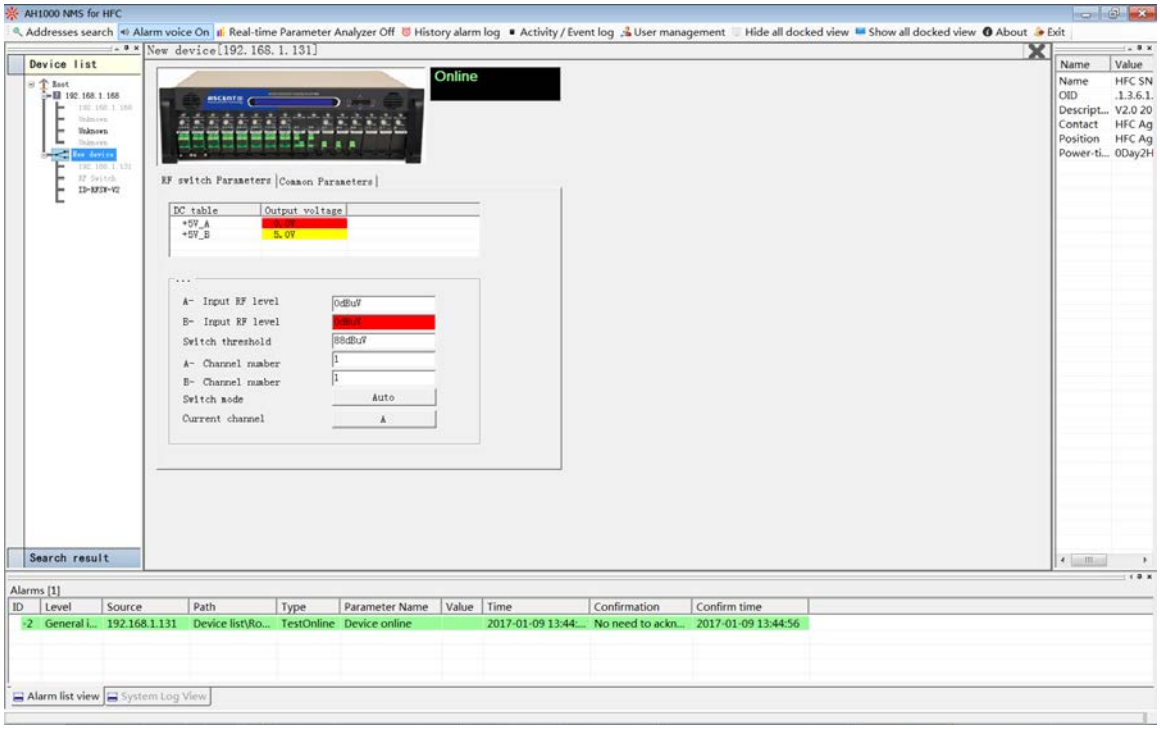
AH10-RCST-xx-yy-S AH1000 Return CWDM Transmitter, xx dBm, CWDM channel yy, SC/APC

AH10-RFAF-20 AH1000 RF Forward Amplifier Module 20dB Gain

AH10-OPSW-S AH1000 Optical Switch Module SC/APC

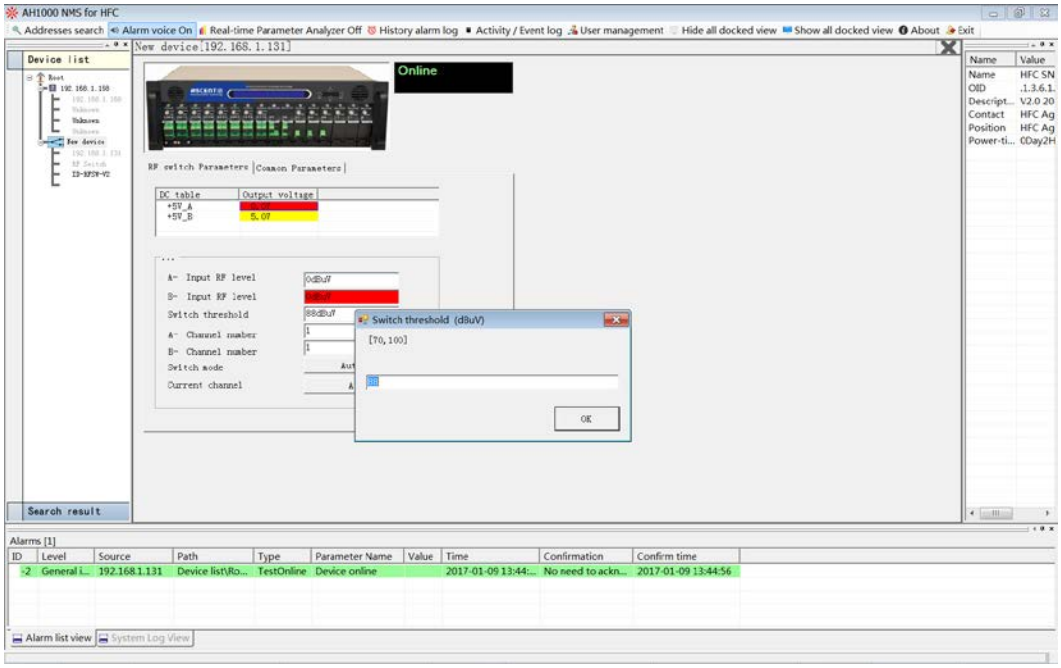
AH10-RFSW-S AH1000 RF Switch Module SC/APC

Double-click the treenode (equipment), if the device is online, it shows the parameter monitor view.



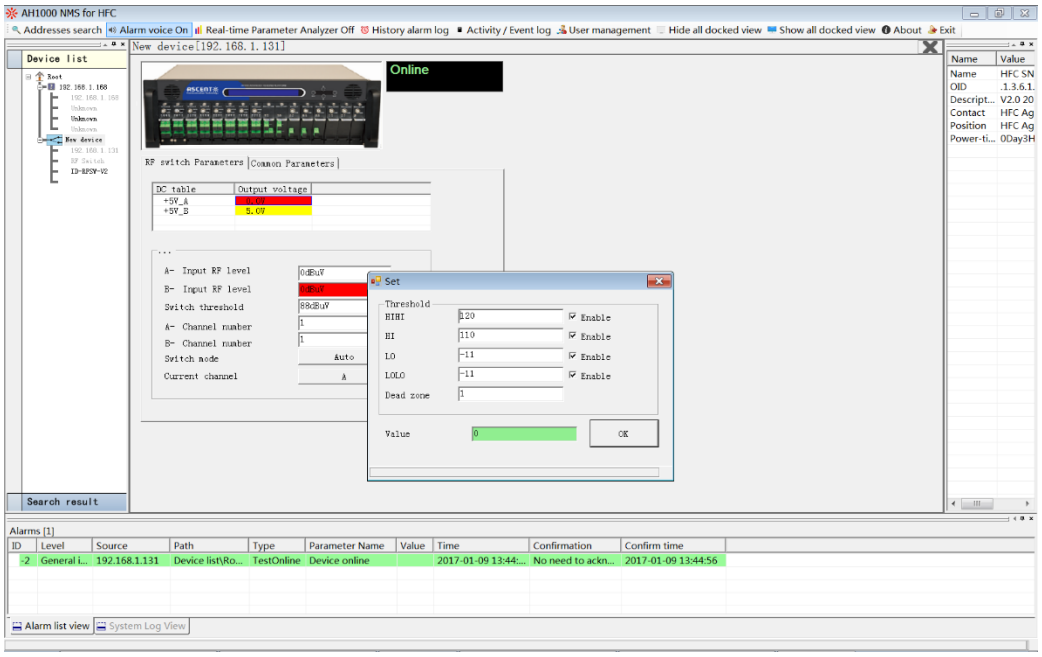
4.2 Basic Parameter Settings

Double click the parameter value textbox, it shows the parameter simple setting dialog.



4.3 Parameter Threshold Settings

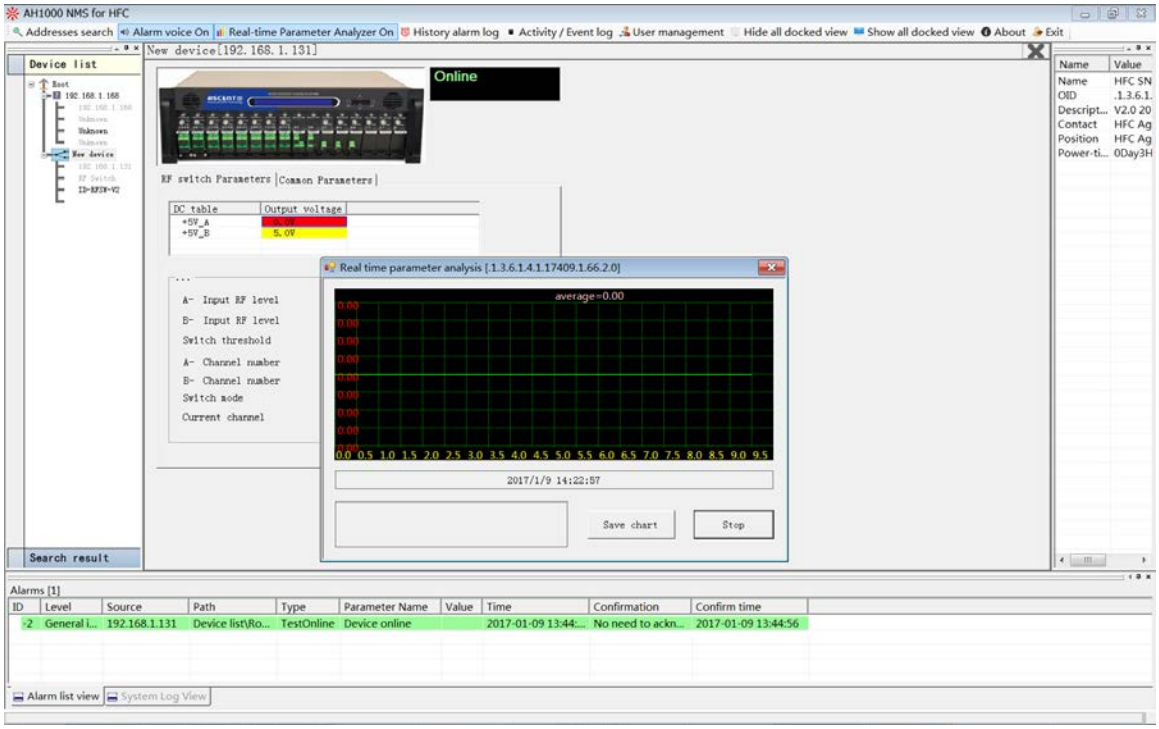
Double click the parameter(with threshold) value textbox, it shows the dialog as follows.



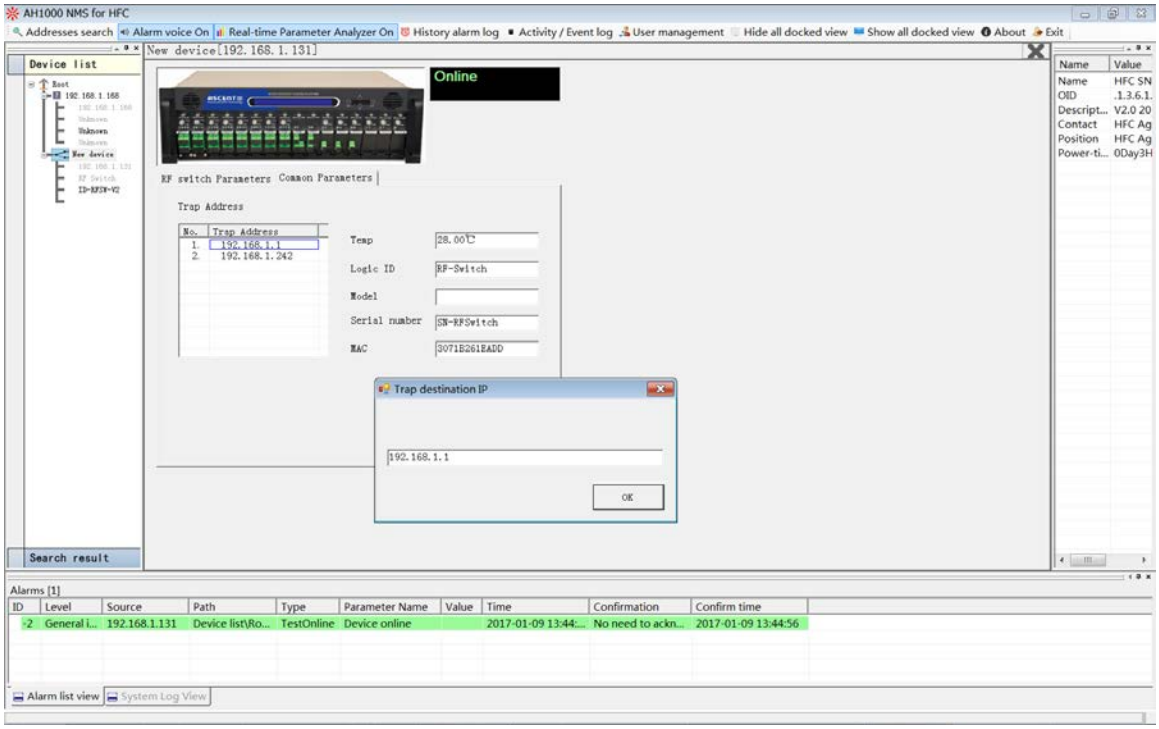
4.4 Parameters Real-Time Monitoring

(Make sure that "real time parameter analyzer" button is in enable status)

Double click the parameter(with threshold) value textbox.

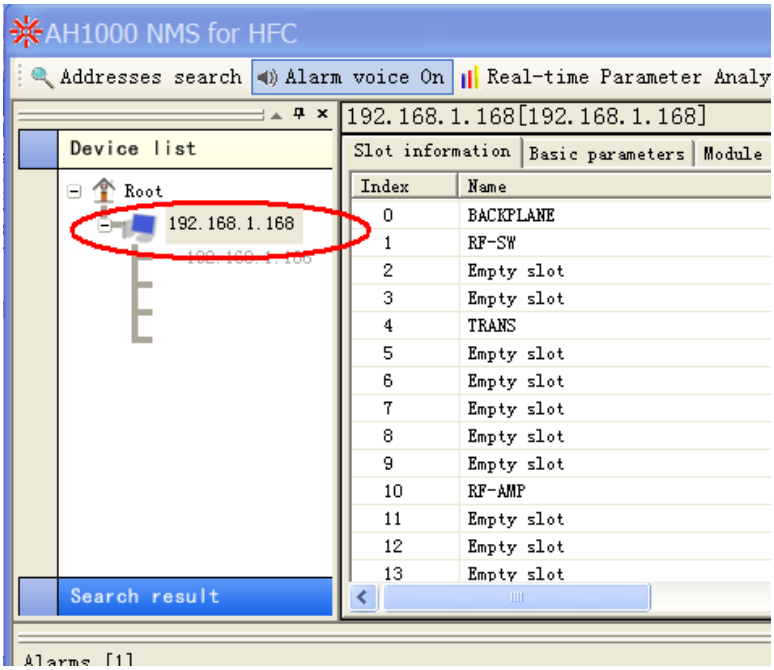


4.5 HFC Common Parameter Settings

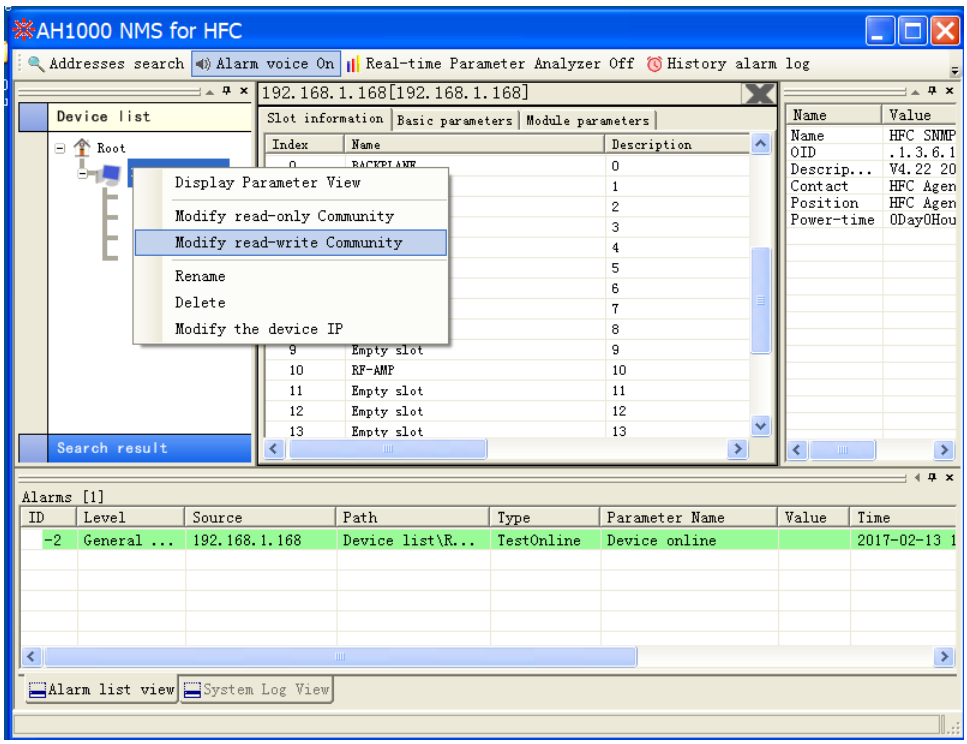


4.6 Modify Network Management Read and Write Group Name

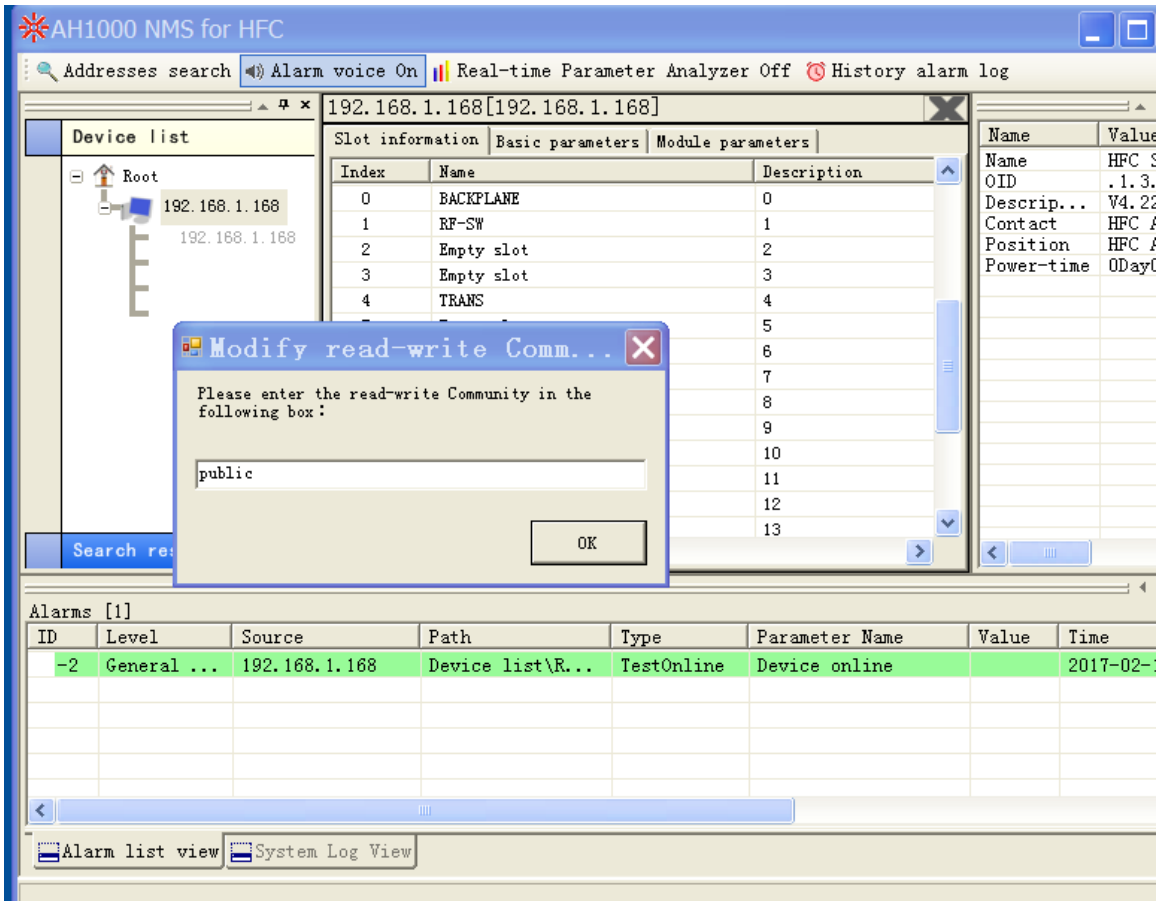
1. Right click on the current device as shown below



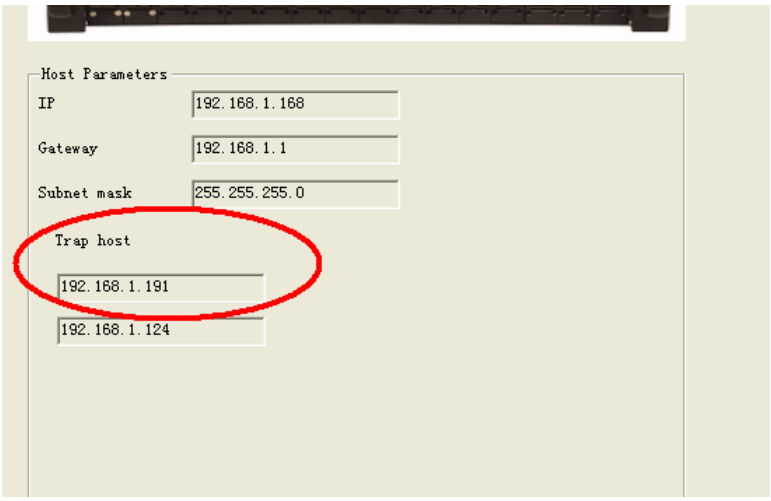
2. In the pop-up dialog box, select: "Modify read-write community"



3. Change default setting from “public” to “private” then click ‘OK’

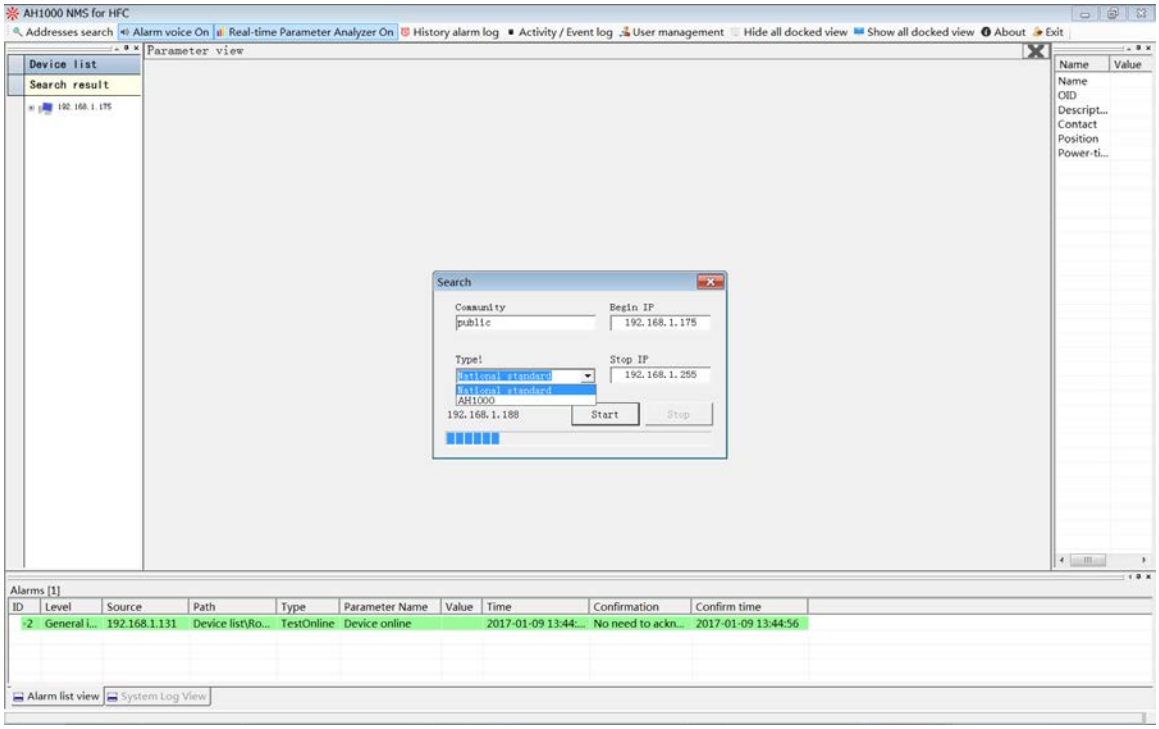


4. If you want to view the alarm information, please modify the TRAP address into the same IP address the same as the network management software PC

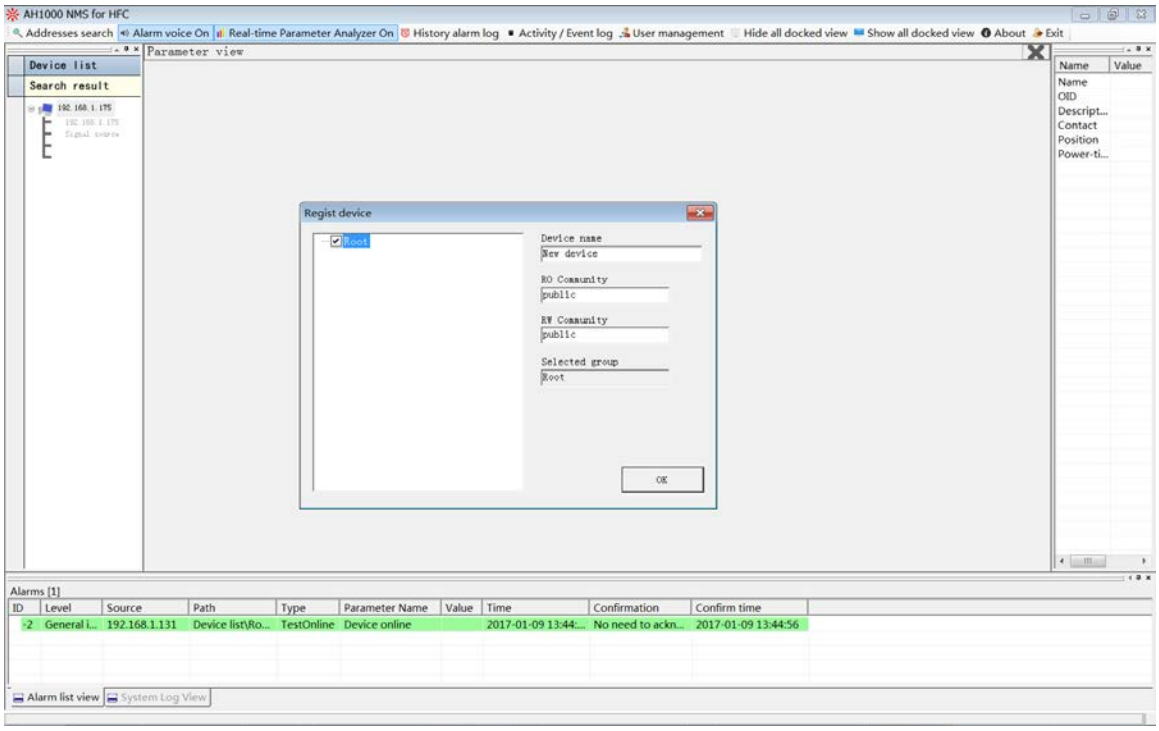


5 Detect/Search

Click “Address search” on toolbar .It shows the search dialog.



Right click the device in search list, select “regist new device”, it shows the regist dialog.



6 Alarm

Alarm sound:

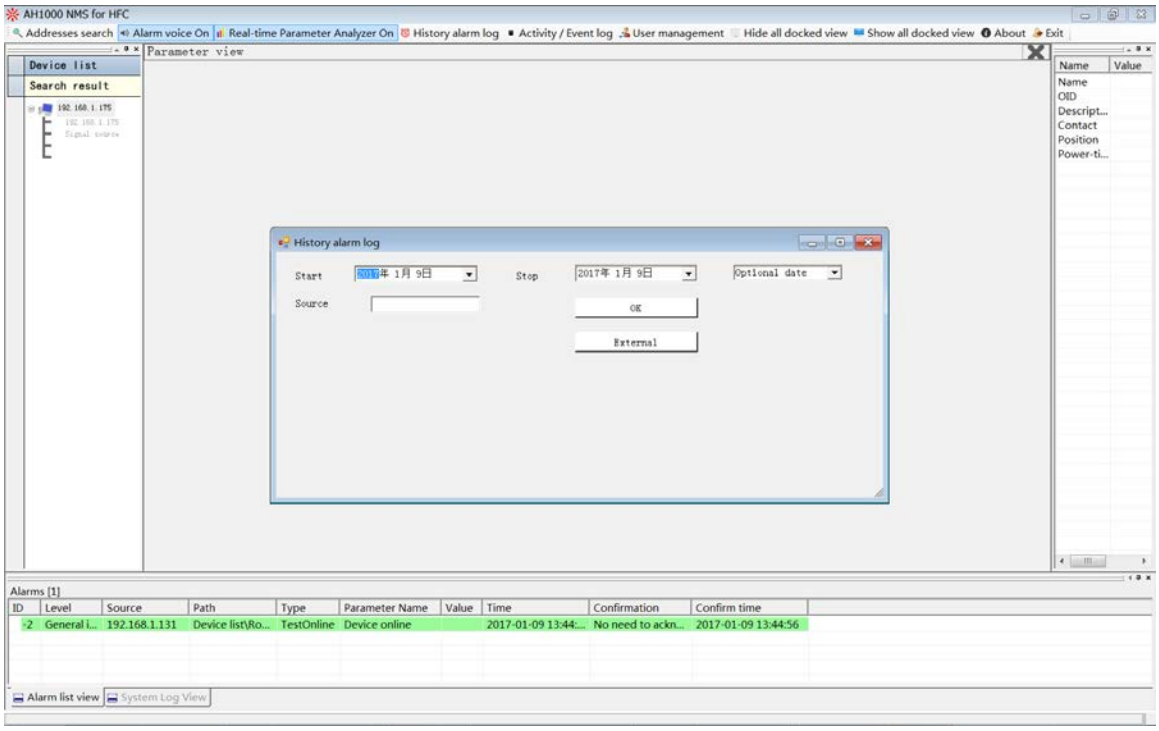
Click “alarm voice on/offf” button to control the alarm sound.

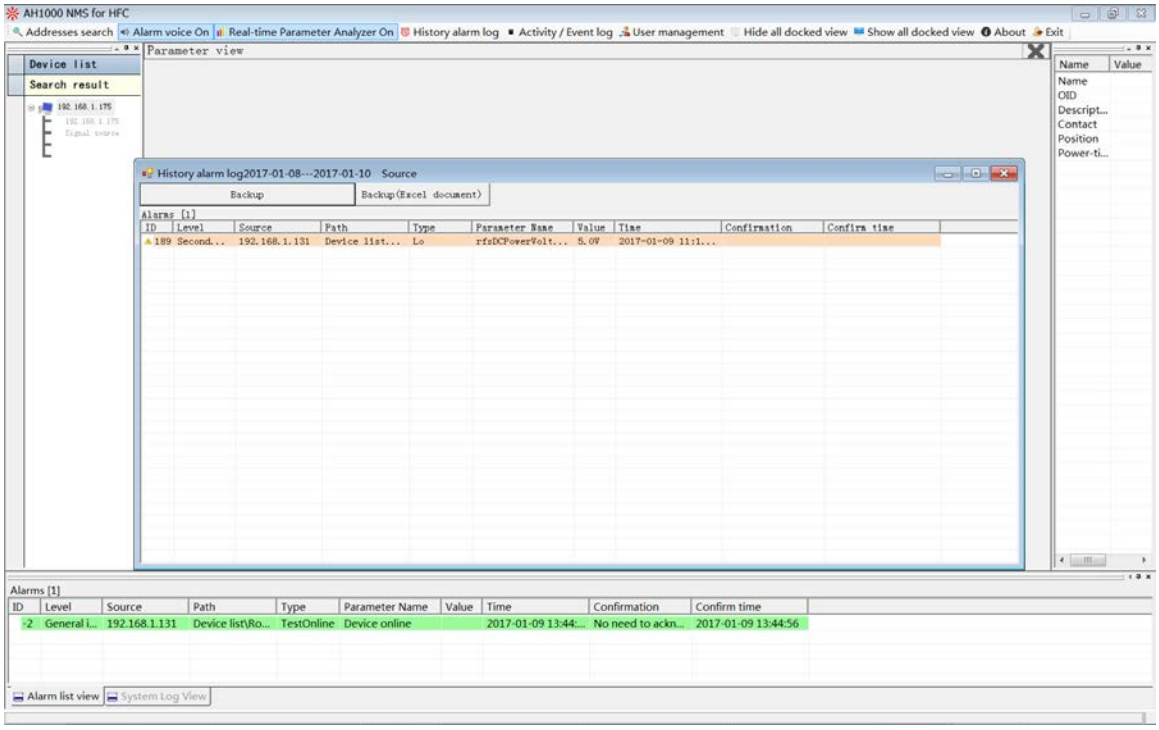
Current alarm log:

The realtime alarms/traps are appended on the log-listview under the software main form.

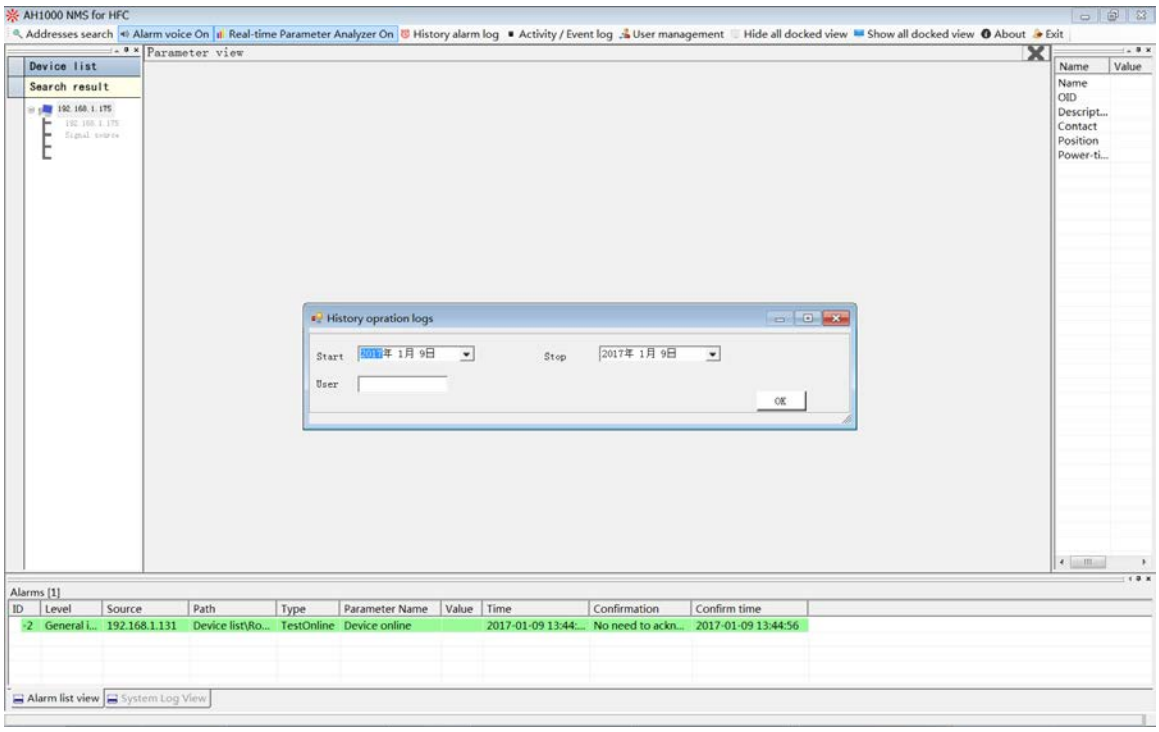
7 Log

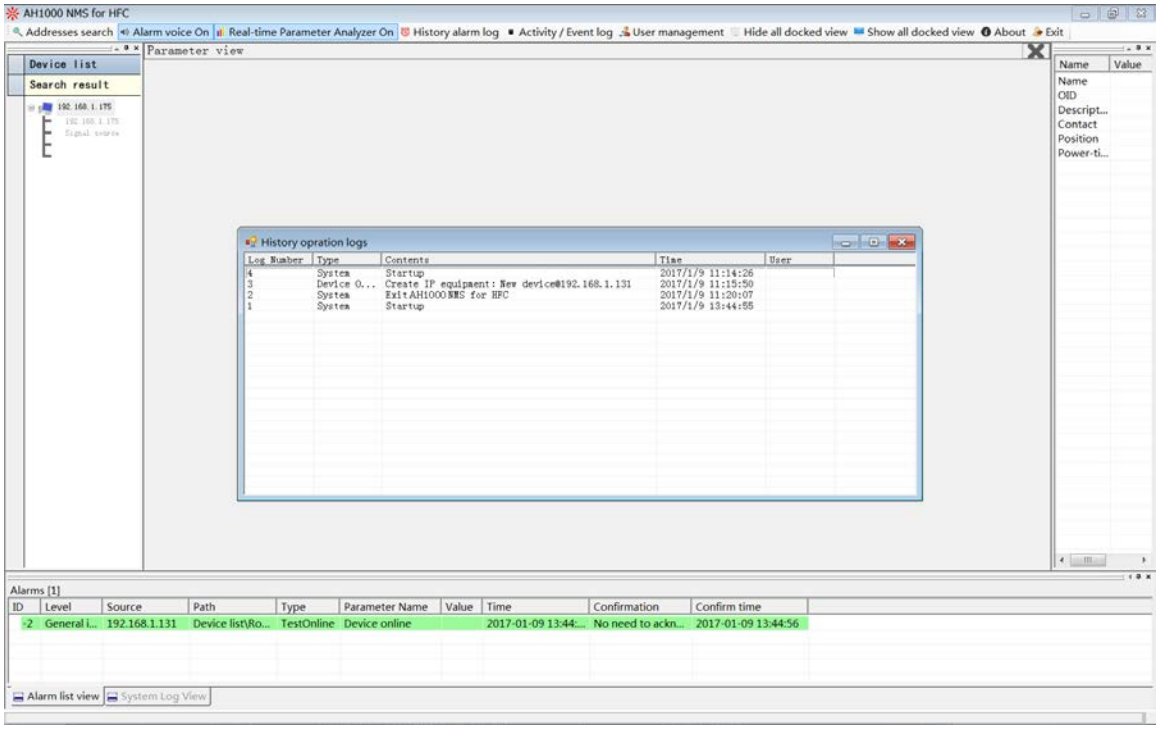
Click “history alarm logs” button on toobar, it shows the log filter dialog.





Click “Activity event log” button on toobar, it shows the log filter dialog.




AH1000 NMS for HFC
Addresses search
Alarm voice On
Real-time Parameter Analyzer On
History alarm log
Activity / Event log
User management
Hide all docked view
Show all docked view
About
Exit
Device list
Search result
192.168.1.175
Parameter view
History opration logs
Log Number
Type
Contents
Time
User
4 System Startup 2017/1/9 11:14:26
3 Device O... Create IP equipment: New device@192.168.1.131 2017/1/9 11:15:50
2 System Exit AH1000 NMS for HFC 2017/1/9 11:20:07
1 System Startup 2017/1/9 13:44:55
Name
Value
Name
OID
Descript...
Contact
Position
Power-ti...
Alarms [1]
ID
Level
Source
Path
Type
Parameter Name
Value
Time
Confirmation
Confirm time
2 General i... 192.168.1.131 Device list\Ro... TestOnline Device online 2017-01-09 13:44:... No need to ackn... 2017-01-09 13:44:56
Alarm list view
System Log View

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Specifications and product availability are subject to change without notice.

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