



Quick Reference Guide

Revision A



ACT AH1000 Headend Solution NMS

Quick Reference Guide

ACT Document Number: ACT AH1000 NMS Quick Reference Guide

User Guide Revision A

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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.

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Revision History

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



Table of Contents

1 Introduction
2 Installation, Login 4
3 Device Tree
4 Parameter Settings
4.1 Supported Modules5
4.2 Basic Parameter Settings7
4.3 Parameter Threshold Settings7
4.4 Parameters Real-Time Monitoring 8
4.5 HFC Common Parameter Settings 8
4.6 Modify Network Management Read and Write Group Name
5 Detect/Search 11
6 Alarm
7 Log



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.

	- * * Parameter view							V	
Device list								-	Name Value
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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.

AH1000 NMS for HFC	14								010	9 ×
Addresses search Alarm vo	ice On 1 Real-tim	e Parameter	Analyzer Off 🐻 Histo	ory alarm	log • Activity / Eve	nt log 🔏 User mana	gement 🥛 Hide all docked view 💻 Sho	w all docked view 0 About > E	xit	
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4.2 Basic Parameter Settings

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

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4.3 Parameter Threshold Settings

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

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🔍 Addresses search 🕫 Alarm voice On 🕼 Real-time Parameter Analyzer Off 🔞 History alarm log 📮 Activity / Event log 🍰 User management 🥃 Hide all docked view 🗮 Show all docked view 🌒 About 🍲 Exit		
New device[192.168.1.131]		. 4 ×
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Alarms (1)		+ 0 ×
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Alarm list view System Log View		

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.

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Device list	BF switch Paraseter C table *57,8	F Common Part	a a a a a a a a a a a a a a a a a a a	Online					Name Name OID Descript Contact Position Power-ti.	Valu HFC .1.3.4 . V2.0 HFC HFC . 0Day
			Real time paramete	r analysis	\$ [.1.3.6.1.4.1.17409.1	66.2.0]				
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	C.				2017/1/9 14:22	:57				
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Search result									•	
ms [1]	e Path	Type	Parameter Name	Value	Time	Confirmation	Confirm time			
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4.5 HFC Common Parameter Settings

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(+ 0 ×	New device[192.168	3. 1. 131]						X		
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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"

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		F	lename					6			
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	L D	192.10	0.1.100	2	Empty slot			2		Position	HFC A
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	VISUM 11	SC ATEM		FOR ATEM							

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

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Host Parameters — IP Gateway Subnet mask Trap host	192. 168. 1. 168 192. 168. 1. 1 255. 255. 255. 0		
192. 168. 1. 191	$ \rightarrow $		
J192. 168. 1. 124			
	Host Parameters - IP Gateway Subnet mask Trap host 192.168.1.191 192.168.1.124	Host Parameters	Host Parameters IP 192.168.1.168 Gateway 192.168.1.1 Subnet mask 255.255.0 Trap host 192.168.1.191 192.168.1.124 192.168.1.124



5 Detect/Search

Click "Address search" on toolbar .It shows the search dialog.

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

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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.

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ms [1]						External		4		* <u> </u>	
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ms [1]	í								,				1
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