

# Smart Web Manager for AV3000 HD Codec Module



***AddPac***

**AddPac Technology**

2010, Sales and Marketing

[www.addpac.com](http://www.addpac.com)

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- **Miscellaneous Configuration**
  - Ping

# Main Page Layout

The screenshot shows the Smart Web Manager interface with the following components and callouts:

- Main Menu (Left):** A vertical sidebar menu with categories: System (Network Setup, Language, NTP), Basic (Audio/Video, RTSP, RTP), Advanced (Video Port, Service, Filtering), and Miscellaneous (Ping).
- Main Menu (Top Right):** A set of icons for system settings, help, and other functions.
- Information (Right):** A panel displaying system details such as AddPac Tehonology, Model: AV3000\_G2, H/W Version: 1.0, S/W Version: 8.28h, Smart Web Version: 8.41.0.3, Smart Web Build: May 9 2011, Network: Static 172.17.1.32, and Mac Address: 0002.a4ff.f6f5.
- Description (Bottom Right):** A panel for displaying help messages.
- Workspace (Center):** A table displaying system information.

System Information	
H/W Version	REV 1.0
S/W Version	8.28h
MAC Address	0002.a4ff.f6f5
Network Information	Static 172.17.1.32
WAN LINK Status	100Mbps FULL Duplex Link UP
Current Time	Mon Oct 17 11:41:32 2011
System Startup Time	Wed Oct 5 21:01:21 2011
System Running Time	11 days 14:40:11

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# System – Network Setup

The screenshot shows the 'Smart Web Manager' interface for 'Network Setup'. The page includes a left sidebar with navigation options like 'Configuration', 'Network', 'System', 'Log', and 'Help'. The main content area is titled 'Network Setup' and contains several sections: 'Host Name', 'Static IP', 'PPPoE(ADSL)', 'DHCP', 'WAN Link Control', and 'MAC(Hardware) Address'. A 'Static IP' section is highlighted with a red dashed box. A 'MAC' callout box is also present. On the right, there are 'Information' and 'Description' panels. The footer contains the copyright notice '©AddPac Tehonology , all rights reserved.'.

**Host Name**  
Create a representative name for the site to be installed

**Static IP**  
This is static IP mode. Specify the addressed IP from the service provider

**PPPoE**  
This is ADSL mode. This mode is used for addressing IP though authentication from the modem. At this time, the modem must be configured in a way that the device can be authenticated.

**DHCP**  
This is dynamic IP mode which is set at default. The IP can be addressed from the external DHCP server.

**WAN Link**  
Controls and recognizes WAN port. Specify the connection speed of WAN port. connection automatically.

**MAC**  
Change MAC address of WAN interface. Without address entry, use the basic MAC Address.

**Network Setup**

Hostname: ENCODER-172\_17\_1\_

Static IP

IP Address: 172.17.1.32 (A.B.C.D)

Network Mask: 255.255.0.0 (A.B.C.D)

Default Router: 172.17.1.1 (A.B.C.D)

DNS Server: 168.126.63.1 (Primary DNS Server), 168.126.63.2 (Secondary DNS Server)

PPPoE(ADSL)

Username: [ ]

Password: [ ]

DHCP

WAN Link Control

Speed: 100 (selected), 10

Duplex: full (selected), half

MAC(Hardware) Address: [ ][ ][ ][ ][ ][ ]

Apply

Information

AddPac Tehonology  
Model : AV3000\_G2  
HW Version : 1.0  
SW Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

Description

This command sets up WAN port. The static IP address is to be assigned from the service provider and you can enter the assigned IP address. For DHCP and PPPoE, the IP address of the device can be changed. MAC Address change can be used only when necessary. It is recommended to use the address created by the user not the address of the device

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# System - Language

Smart Web Manager  
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## Configure Language

한국어  
 English

✓ Apply

**Configure Language**  
English, Korean Settings

**Information**  
AddPac Tehonology  
Model : AV3000\_G2  
HW Version : 1.0  
SW Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

**Description**  
Choose the basic language to be applied. English is set at default.

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# System - NTP

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**System**

- Network Setup
- Language
- **NTP**

**Basic**

- Audio/Video
- RTSP
- RTP

**Advanced**

- Video Port
- Service
- Filtering

**Miscellaneous**

- Ping

**NTP**

Enable  Disable

Primary Server  (Domain Name or IP Address)

Secondary Server  (Domain Name or IP Address)

Interval  (1~72 hours)

Hours Offset  :  (-23~23 hours) : (0~60 minute)

**NAT Static Table**  
When many PCs are connected to LAN, create a table for delivering TCP/UDP port to PC

**Information**

AddPac Tehonology  
Model : AV3000\_G2  
HW Version : 1.0  
SW Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

**Description**

Set up Time Saver of Gateway

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# Basic – Audio/Video

**Smart Web Manager**  
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**System**

- Network Setup
- Language
- NTP

**Basic**

- **Audio/Video**
- RTSP
- RTP

**Advanced**

- Video Port
- Audio Port
- Service
- Filtering

**Miscellaneous**

- Ping

**Audio / Video Setup**

**Video Input**  NTSC  PAL

**Video setup**

Channel	Codec	Bandwidth(kbps)	Picture size	Frame rate(fps)	I-frame Interval(second)	Max-conn
video0/0:0	h264	1024	720x480	30	1	
video0/0:1	h264	1024	640x480	30	1	

**Audio setup**

Channel	Codec
audio0/0	g711u

Apply

**Video Input**  
Video Input Select  
HD-SDI, HDMI, Composite

**Video Setup**  
Channel Video 0/0:0, Video 0/0:1  
Setup Codec, Bandwidth, Picture Size,  
Frame Rate, I-Frame Interval in  
accordance with channel.

**Audio Setup**  
Setup Channel Audio 0/0 Sound and  
Codec

**Information**

AddPac Tehonology  
Model : AV3000\_G2  
HW Version : 1.0  
SW Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

**Description**

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# Basic – RTSP(Server)

**Smart Web Manager**  
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**System** | **Basic** | **RTSP Setup**

**RTSP Operation**  
Setup RTSP Operation  
Select Server(Encoder)/Client(Decoder)and Setup.

**RTSP Port Number**  
Setup RTSP Port  
(Default : 554)

**RTSP Server**  
You may setup server movement when RTSP Operation is setup as server(Encoder)  
Start / Stop / Restart

**RTSP Stream**  
You may setup currently enabled RTSP Stream URL and channel information. Select Live video, select video in web. You may check through Smart Viewer.

**RTSP Operation**  
 Server (Encoder)  Client (Decoder)

**RTSP Port Number** 554 (default 554, 1-65535)

**RTSP Server**  
 start  stop  restart

Index	URL	Video Channel	Audio Channel
<input type="checkbox"/> 1	video1	video0/0:0	none
<input type="checkbox"/> 2	video1s	video0/0:1	none

Delete

**Insert RTSP Stream**

Index(1-256)	URL	Video Channel	Audio Channel
<input type="text"/>	<input type="text"/>	none	none

Insert

Apply

**Information**  
AddPac Tehonology  
Model : AV3000\_G2  
H/W Version : 1.0  
S/W Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address : 0002.a4ff.f6f5

**Description**  
Configure the basic settings for the RTSP operation

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**Insert RTSP Stream**  
Setup RTSP stream.  
Enter RTSP Stream Video/Audio Channel, URL and setup Stream Session



# Basic – RTSP(Decoder)

The screenshot shows the 'RTSP Setup' page in the Smart Web Manager. The page is titled 'RTSP Setup' and has a sub-section 'RTSP Operation' with radio buttons for 'Server (Encoder)' and 'Client (Decoder)'. The 'Client (Decoder)' option is selected. Below this is the 'RTSP Port' field, which contains the value '554'. The 'RTSP Client' section includes 'Video output' (with options HD-SDI, HDMI, composite), 'Remote IP address' (with a placeholder '(A.B.C.D)'), 'Session name', and 'Media transport' (with options RTP over UDP, RTP over RTSP). At the bottom of the client section is the 'RTSP client run' section with radio buttons for 'start' and 'stop'. An 'Apply' button is at the bottom left. The page also features a left sidebar with 'System', 'Advanced', and 'Miscellaneous' sections, and a right sidebar with 'Information' and 'Description' sections. Three yellow callout boxes provide instructions: one for the RTSP Port Number, one for RTSP Operation, and one for Insert RTSP Stream.

**RTSP Port Number**  
You may setup RTSP Port  
(Default : 554)

**RTSP Operation**  
Setup RTSP operation  
Select server(Encoder)/Client(Decoder)  
and setup.

**Insert RTSP Stream**  
You may setup RTSP stream.  
Enter RTSP stream Video/Audio Channel, URL  
and setup stream session

# Advance – Video Port

**Smart Web Manager**  
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**System**

- Network Setup
- Language
- NTP

**Basic**

- Audio/Video
- RTSP
- RTP

**Advanced**

- **Video Port**
- Audio Port
- Service
- Filtering

**Miscellaneous**

- Ping

## Video Port Configuration

Select Video Port  video0/0

Input Select  HD-SDI  HDMI  Composite  SD-SDI

Input Brightness  (default 128, 0-255)

Input Contrast  (default 64, 0-127)

Input H-offset  (default 8, 2-254)

Input V-offset  (default 19, 1-255)

Apply

**Select Video Port**  
Select video port and setup

**Video Port Configuration**  
Setup video input / output port detail setup

**Information**

AddPac Tehonology  
Model : AV3000\_G2  
H/W Version : 1.0  
S/W Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address : 0002.a4ff.f6f5

**Description**

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# Advance – Audio Port

**Smart Web Manager**  
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**System**

- Network Setup
- Language
- NTP

**Basic**

- Audio/Video
- RTSP
- RTP

**Advanced**

- Video Port
- **Audio Port**
- Service
- Filtering

**Miscellaneous**

- Ping

**Audio Port Configuration**

Select Audio Port  audio0/0

Input Select  mic  line  SDI (default mic)

Apply

**Select Audio Port**  
Select audio port and setup

**Audio Port Configuration**  
Setup Audio Input / Output Port

**Information**

AddPac Tehonology  
Model : AV3000\_G2  
H/W Version : 1.0  
S/W Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

**Description**

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# Advance - Service

**Smart Web Manager**  
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**System**

- Network Setup
- Language
- NTP

**Basic**

- Audio/Video
- RTSP
- RTP

**Advanced**

- Video Port
- Service
- Filtering

**Miscellaneous**

- Ping

**Service**

Application Services

- Enable Telnet    Server Port:  (default 23, 1-65535)
- Enable HTTP    Server Port:  (default 80, 1-65535)
- Enable FTP    Control Port:  (default 21, 1-65535)  
Data Port:  (default 20, 1-65535)

Apply

**Service**  
Telnet, HTTP, FTP Enable/Disable, Port Number Setting  
(Default Port - Telnet(23), HTTP(80), FTP(21))

**Information**

AddPac Tehonology  
Model : AV3000\_G2  
HW Version : 1.0  
SW Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

**Description**

Enable or disable Telnet, HTTP, FTP and specify the access port and Call Hold/Transfer and Timer.

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# Advance - Filtering

**Smart Web Manager**  
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**Filter**  
Configure application service filter with IP & Subnet mask.

**FTP Filter**

Network Addr	Network Mask	Control
<input type="text"/>	<input type="text"/>	Add

**HTTP Filter**

Network Addr	Network Mask	Control
<input type="text"/>	<input type="text"/>	Add

**Telnet Filter**

Network Addr	Network Mask	Control
<input type="text"/>	<input type="text"/>	Add

**Information**

AddPac Technology  
Model : AV6000\_G2  
HW Version : 1.0  
SW Version : 8.28f  
Smart Web Version : 8.41.0.3  
Smart Web Build : Jun 1 2011  
Network : Static 172.16.54.110  
Mac Address: 0002.a4ff.fa00

**Description**

For FTP, HTTP, Telnet, set up one IP or IP band for allowing access

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# Advance - Filtering

**Filter**  
Configure application service filter with IP & Subnet mask.

**Smart Web Manager**  
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**System**

- Network Setup
- Language
- NTP

**Basic**

- Audio/Video
- RTSP
- RTP

**Advanced**

- Video Port
- Service
- **Filtering**

**Miscellaneous**

- Ping

**Filter**

**FTP Filter**

Network Addr	Network Mask	Control
<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

**HTTP Filter**

Network Addr	Network Mask	Control
<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

**Telnet Filter**

Network Addr	Network Mask	Control
<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

**Information**

AddPac Tehonology  
Model : AV3000\_G2  
H/W Version : 1.0  
S/W Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

**Description**

For FTP, HTTP, Telnet, set up one IP or IP band for allowing access

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# Miscellaneous - Ping

The screenshot displays the 'Smart Web Manager' interface with the 'Ping' function selected. The main content area shows a 'Host address' field containing '172.17.1.1' and a 'Start' button. Below this, the output of the ping command is displayed, showing five successful pings with 0ms response times. A red dashed box highlights the input field and the output text. Two yellow callout boxes provide instructions: one at the top says 'PING You can diagnose network status by PING.' and one at the bottom says 'PING Show real time ping status.' The left sidebar contains navigation menus for System, Basic, Advanced, and Miscellaneous. The right sidebar shows system information and a description of the ping function. The footer includes the copyright notice '©AddPac Tehonology , all rights reserved.'

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**Ping**

Host address:  Start

PING 172.17.1.1 (172.17.1.1): 56 data bytes  
64 bytes from 172.17.1.1: icmp\_seq=0 ttl=255 time=0 ms  
64 bytes from 172.17.1.1: icmp\_seq=1 ttl=255 time=0 ms  
64 bytes from 172.17.1.1: icmp\_seq=2 ttl=255 time=0 ms  
64 bytes from 172.17.1.1: icmp\_seq=3 ttl=255 time=0 ms  
64 bytes from 172.17.1.1: icmp\_seq=4 ttl=255 time=0 ms

--- 172.17.1.1 ping statistics ---  
5 packets transmitted, 5 packets received, 0% packet loss  
round-trip min/avg/max = 0/0/0 ms

**Information**  
AddPac Tehonology  
Model : AV3000\_G2  
H/W Version : 1.0  
SW Version : 8.28h  
Smart Web Version : 8.41.0.3  
Smart Web Build : May 9 2011  
Network : Static 172.17.1.32  
Mac Address: 0002.a4ff.f6f5

**Description**  
Verify the outgoing Ping to the outside from the device by entering IP address and URL  
Verify network status of the location in where the terminal is located

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# HD Video Codec

# Thank you!

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