

# AP-RBT1000™ Media Server

High-performance Media Server System

Media Server Software Functions



**AddPac**

AddPac Technology

2008, Sales and Marketing

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# Main Functions

## AP-RBT1000 Enterprise Media Server System

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# Media Server System Management

The screenshot displays the Smart Multimedia Manager interface. On the left, a tree view shows the navigation structure, with 'Add Media Server' highlighted under the 'Media Management' section. The main window shows a table of devices with columns for Device Name, Model, and Status. A context menu is open over the table, and the 'Add Media Server' option is selected. A dialog box titled 'Add a New Media Server' is open, containing the following fields:

Field	Value
Name	rbt_1000
Description	
Model Name	AP-RBT1000
Device Pool	default
Location	N/A
Service Access Point	
IP Address	172,16,4,23
Control Port	5041
Network Domain	default

At the bottom of the dialog box are 'Ok' and 'Cancel' buttons. A red arrow points from the 'Add Media Server' option in the context menu to the dialog box. A red bracket on the right side of the dialog box is labeled 'New Media Server Registration Information'. The status bar at the bottom of the application window shows the date and time as 12/24/2007 5:30:12 PM, the version as 3.2.2914, and the user as administrator.

# Media Server Cluster Management

The screenshot displays the Smart Multimedia Manager application window. The main interface shows a tree view on the left with 'Media Server Cluster' selected. A table in the center lists the cluster details:

No.	Cluster Name
1	ms_cluster

A context menu is open over the table, with 'Add Media Server Cluster' highlighted. A 'Media Server Cluster Properties' dialog box is also open, showing the following fields:

- Cluster Name: ms\_cluster
- Description: (empty)
- Media Servers table:

Name	IP	
rbt_1000	172.16.4.23	master

The dialog box includes 'Ok' and 'Cancel' buttons. A red arrow points from the 'Add Media Server Cluster' menu item to the 'Media Servers' table in the dialog box. The text 'Media Server Cluster Setting' is written in red at the bottom right of the dialog box.

# Address Pool Management

The screenshot displays the Smart Multimedia Manager interface. On the left is a tree view of the system configuration. The main area shows a table of address pools with a context menu open over the 'address\_pool' entry. Two 'Address Pool Properties' dialog boxes are overlaid on the main window.

**Address Pool Table:**

No.	Address Pool Name	Description
1	address_pool	

**Address Pool Properties (Left):**

- Address Pool Name: address\_pool
- Description:
- Media Server Cluster: ms\_cluster

**Address Pool Properties (Right):**

- Filter: Phone Number is exactly
- Addresses in Address Pool table:

Address	Partition
6011	
6012	
6000	
1026	

**Annotations:**

- Red box around 'Add Address Pool' in the context menu.
- Red box around 'Media Server Cluster' dropdown in the left dialog, with text: **Media Server Cluster Setting**
- Red box around the 'Addresses in Address Pool' table in the right dialog, with text: **Address List Setting in Address Pool**

System tray: 12/24/2007 5:31:07 PM, Version 3,2,2914, 172,16,11,200:389, administrator

# Service Address Management

Smart Multimedia Manager

Advanced Smart Multimedia Manager

Service Address - 172.16.11.200

Filter

Filter Name Rule Word [Advanced Search](#)

Phone Number is exactly Search, Find Filter

RBT, MoH, CID Parameter Setup, Media File Information

No.	Address Pool	Address	Type	Path	User	RBT File	MoH File	CID File
1	address_pool	6011	Phone Address	NMS/5F/	mjlee	girls_generatio...	paris.mp4,pc...	because_of_y...
2	address_pool	6012	Phone Address	NMS/5F/	hgjang	shrek.mp4,pc...	daejangum.mp...	tell_me.mp4,p...
3	address_pool	6000	Phone Address	NMS/5F/	jschoi	tell_me.mp4,p...	all_i_have_to_...	
4	address_pool	1026	Phone Address	NMS/5F/	jhkwon			

2007-12-24 오후 3:37:32 Version 3,2,2914 172.16.11.200:389 administrator

# Media File Management and Replay Function

The screenshot displays the 'Smart Multimedia Manager' interface. On the left is a tree view of system components. The main window shows a 'Service Address' table with columns for No., Address Pool, Address, Type, Path, User, RBT File, MoH File, and CID File. A 'Search Filter' dialog is open above the table. A 'Media File Management' dialog is open in the foreground, showing a 'File List' table with columns for No., Media Type, File Name, File Size(kb), and Uploaded Time. A 'Progress Indicator' dialog is also visible, showing upload progress for a file named 'C:\Wpma file\Wdaejangum.pma'.

**Search Filter**

No.	Address Pool	Address	Type	Path	User	RBT File	MoH File	CID File
1	address_pool	6011	Phone Address					because_of_y...
2	address_pool	6012	Phone Address					mp...
3	address_pool	6000	Phone Address					tell_me.mp4,p...
4	address_pool	1026	Phone Address					

**Media File Management**

No.	Media Type	File Name	File Size(kb)	Uploaded Time	Play
1	Video	girls_generation...	56479	20071220 20:12:11	▶
2	Video	paris.mp4.pcm...	41216	20071220 20:16:27	▶
3	Audio	because_of_you...	352	20071224 15:18:24	▶

**Progress Indicator**

Upload File: C:\Wpma file\Wdaejangum.pma  
 uploading...  
 Received Size 6,592,512 / 25,783,196 Bytes Speed: 548414 KB/s

Buttons: Upload, Cancel, Exit



# RBT, MoH, CID Service Management

**Service Address - 172.16.11.200**

No.	Address Pool	Address	Type	Path	User	RBT File	MoH File	CID File
1	address_pool	6011	Phone Address	NMS/5F/	mjlee	girls_generatio...	paris.mp4.pc...	because_of_y...
2	address_pool	6012	Phone Address	NMS/5F/	hgjang	shrek.mp4.pc...	daejangum,mp...	tell_me.mp4,p...
3	address_pool	6000	Phone Address	NMS/5F/	jaehoi	tell_me.mp4.p...	all_i_have_to...	
4	address_pool	1026	Phone Address					

**Properties**

Service User: [Address Pool: address\_pool] [Path: NMS/5F/]  
 [Address: 6011] [User: mjlee]  
 [Partition: ] [Description: ]

RBT | MoH | CID  
 Use system default RBT >>> Schedule

Service Mode:  Sequence  Random

**File List**

No.	Media Type	File Name	Play
<input checked="" type="checkbox"/> 1	Video	girls_generation.mp4.pcm.p...	[Play]
<input type="checkbox"/> 2	Video	paris.mp4.pcm.pma	[Play]
<input type="checkbox"/> 3	Audio	because_of_you.mp4.pcm.p...	[Play]
<input type="checkbox"/> 4	Video	daejangum.mp4.pcm.pma	[Play]

# RBT, MoH, CID Schedule Management

**Service Address - 172.16.11.200**

No.	Address Pool	Address	Type	Path	User
1	address_pool	6011	Phone Address	NMS/5F/	mjlee
2	address_pool	6012	Phone Address	NMS/5F/	hgjang
3	address_pool	6000	Phone Address	NMS/5F/	jschoi
4	address_pool	1026	Phone Address	NMS/5F/	ibkwon

**Properties**

Service User: Address Pool [address\_pool], Path [NMS/5F/], Address [6011], User [mjlee]

RBT | MoH | CID

Use system default RBT:  **>>> Schedule**

Service Mode:  Sequence  Random

**File List**

No.	Media Type	File Name	Play
<input checked="" type="checkbox"/>	Video	girls_generation.mp4.pcm.p...	
<input type="checkbox"/>	Video	paris.mp4.pcm.pma	
<input type="checkbox"/>	Audio	because_of_you.mp4.pcm.p...	
<input type="checkbox"/>	Video	daejangum.mp4.pcm.pma	

**Schedule(RBT)**

**Schedule List**

No.	Schedule Name	Description
1	rbt_schedule	

**Schedule Settings:**

- Day:**  Use, Start Date: 2007년 12월 24일 월요일, End Date: 2007년 12월 31일 월요일
- Week:**  Use,  Mon,  Tue,  Wed,  Thu,  Fri,  Sat,  Sun
- Hour:**  Use, Start Time: 오후 12:00:00, End Time: 오후 1:00:00

**File List (Schedule):**

No.	Media Type	File Name	Play
<input type="checkbox"/>	Video	girls_generation.mp4.pcm.p...	
<input type="checkbox"/>	Video	paris.mp4.pcm.pma	
<input type="checkbox"/>	Audio	because_of_you.mp4.pcm.p...	
<input checked="" type="checkbox"/>	Video	daejangum.mp4.pcm.pma	

**Annotations:**

- Priority Selection in case of Multiple Schedule List
- Schedule List Information
- Schedule : Day Setting
- Schedule : Week Setting
- Schedule : Time Setting
- Media File Replay
- Media File List Setting for Service
- Schedule Save

# Holiday Management (Calendar Display)

The screenshot displays the 'Smart Multimedia Manager' application window. The main area shows a 'Holiday Calendar' for December 2007. The calendar is a grid with days of the week as columns and dates as rows. Red shading indicates holidays. The text 'Holiday Information Calendar Display' is overlaid on the calendar grid. The toolbar above the calendar includes icons for 'Holiday List', 'Set Holiday', 'Repeat Holiday', and 'Refresh'. The sidebar on the left shows a tree view of system components, including 'Smart Directory Servers', 'System', 'Media Server', 'Configuration', and 'Monitoring'. The status bar at the bottom shows the date '12/24/2007 4:46:10 PM', version '3,2,2914', and the user 'administrator'.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1 Weekend
2 Weekend	3	4	5	6	7	8 Weekend
9 Weekend	10	11	12	13	14	15 Weekend
16 Weekend	17	18	19 The Day of Election	20	21	22 Weekend
23	24	25 Christmas Day	26	27	28	29
30	31	1 The New Year	2	3	4	5 Weekend

# Holiday Management

Smart Multimedia Manager

File View Search Tools Window Help

AddPac

Advanced Smart Multimedia Manager

Smart Directory Servers

- 172.16.11.200 (172.16.11.200:389)
  - Smart Directory Management
  - User Management
  - Device Management
  - Fault Management
  - Call Management
  - Conference Management
  - Presence Management
  - Media Management
    - System
      - Media Server
      - Media Server Cluster
    - Configuration
      - System Announcement Ser
      - Package Management
      - Announcement Setting
    - Personal RBT & MOH Servi
    - RBT & MoH Configurati
    - Service Address
    - Holiday
  - Monitoring
    - System Monitoring
    - Media Session Monitoring

12/24/2007 4:50:50 PM Version 3,2,2914 172, 16, 11, 200:389 administrator

**Holiday List**

Set Holiday Repeat Holiday Refresh

**Holiday Calendar**  
AddPac Technology

No.	Name	Description
1	Christmas Day	
2	Weekend	
3	The New Year	
4	The Day of Election	

Registered Holiday Information

# Holiday Management (Setup Holiday)

The screenshot displays the 'Smart Multimedia Manager' interface. The main window is titled 'Holiday Calendar' and shows a calendar view for December 2007. A context menu is open over the calendar, with options: 'Set Holiday', 'Set Repeat Holiday', 'Delete', and 'Properties'. A 'Set Holiday' dialog box is also open, showing the following fields:

- Name: Christmas Day
- Description: (empty)
- Date Configuration:  Specific Day  End Date
- Start Date: 2007년 12월 25일 화요일
- End Date: 2010년 12월 31일 금요일
- Buttons: OK, Cancel

Red arrows point to the following elements:

- 'Holiday List' points to the calendar grid.
- 'Set Holiday' points to the 'Set Holiday' button in the context menu.
- 'Repeat Holiday' points to the 'Set Repeat Holiday' option in the context menu.
- 'Refresh' points to the refresh icon in the toolbar.
- 'Holiday Information Setting' points to the 'Date Configuration' section in the dialog box.

The status bar at the bottom shows the date and time as 12/24/2007 4:46:10 PM, Version 3,2,2914, and the user administrator.

# Holiday Management (Repeat Holiday Setup)

The screenshot displays the AddPac Smart Multimedia Manager interface. The main window is titled "Holiday Calendar" and shows a calendar for December 2007. A context menu is open over the calendar, with "Set Repeat Holiday" selected. A "Repeat Holiday" dialog box is also open, showing settings for a "Weekend" holiday. The dialog box includes fields for Name, Description, Month Configuration (with checkboxes for First, Second, Third, Fourth, Fifth, Sixth, Sun, Mon, Tue, Wed, Thu, Fri, Sat), and Date Configuration (with Start and End Date dropdowns). Red arrows point from labels above to specific elements: "Holiday List" points to the calendar grid, "Set Holiday" points to the "Set Holiday" menu item, "Repeat Holiday" points to the "Repeat Holiday" menu item, and "Refresh" points to the refresh icon in the toolbar. The dialog box has two red arrows: "Holiday Day, Week Setting" points to the "Month Configuration" section, and "Holiday Date Information Setting" points to the "Date Configuration" section.

Labels above the screenshot:

- Holiday List
- Set Holiday
- Repeat Holiday
- Refresh

Labels pointing to the dialog box:

- Holiday Day, Week Setting
- Holiday Date Information Setting

# Announcement Package Management

The screenshot displays the 'Smart Multimedia Manager' application window. The main interface is titled 'Package Management' and features a table with columns: No, Media Server Cluster, Package ID, Version, Description, Language, Last Updated Time, Distributed Time, and InService. A context menu is open over the table, showing 'Upload', 'Delete', and 'Refresh' options. A 'Package Upload' dialog box is also open, showing a list of 'Media Server Cluster' options with 'ms\_cluster' selected. Below this, it lists 'Updated Contents' with file paths and sizes. A 'Progress Indicator' shows the upload progress, with 'Received Size : 522,713 / 522,713 Bytes' and 'Speed: 0 KB/s'. The dialog has 'Upload', 'Cancel', and 'Exit' buttons.

Annotations in red text point to various elements:

- Package Registration**: Points to the 'Upload' button in the context menu.
- Package Delete**: Points to the 'Delete' button in the context menu.
- Refresh**: Points to the 'Refresh' button in the context menu.
- Upload Media Server Cluster Selection**: Points to the 'ms\_cluster' selection in the 'Package Upload' dialog.
- Package Update Content**: Points to the 'Updated Contents' list in the 'Package Upload' dialog.
- Progress Indicator**: Points to the progress bar in the 'Package Upload' dialog.
- New Package Registration**: Points to the 'Upload' button in the 'Package Upload' dialog.
- Package Registration Cancel**: Points to the 'Cancel' button in the 'Package Upload' dialog.

# Announcement Service File Configuration

Media Cluster and Language Information Setting

Service Version Select

Selected Announcement File Apply

ID	Announcement	Description	Custom File	8.41	8.42
440110	Normal Dial Tone	off-hook tone		<input checked="" type="checkbox"/>	<input type="checkbox"/>
420120	No Answer	absence announcement		<input checked="" type="checkbox"/>	<input type="checkbox"/>
420130	System Normal Fail	call fail announcement		<input checked="" type="checkbox"/>	<input type="checkbox"/>
400140	Over Count	call fail over count ann...		<input checked="" type="checkbox"/>	<input type="checkbox"/>
420110	Busy	call busy announcement		<input checked="" type="checkbox"/>	<input type="checkbox"/>
400120	Retry	push down internal nu...		<input checked="" type="checkbox"/>	<input type="checkbox"/>
400130	No Number	no exist internal number		<input checked="" type="checkbox"/>	<input type="checkbox"/>
440220	Call Waiting Tone	call waiting tone		<input checked="" type="checkbox"/>	<input type="checkbox"/>
440230	default MoH	default MoH		<input type="checkbox"/>	<input checked="" type="checkbox"/>
440210	default RBT	default RBT		<input type="checkbox"/>	<input checked="" type="checkbox"/>
400110	Connect	connecting announce...		<input checked="" type="checkbox"/>	<input type="checkbox"/>
430200	Network Busy	network busy announc...		<input checked="" type="checkbox"/>	<input type="checkbox"/>
440120	Virtual Dial Tone	external call tone		<input checked="" type="checkbox"/>	<input type="checkbox"/>
440130	Consult Tone	call transfer tone		<input checked="" type="checkbox"/>	<input type="checkbox"/>
430201	System overload	call limit by license an...		<input checked="" type="checkbox"/>	<input type="checkbox"/>



# Announcement Service File Configuration

**Announcement Management**

ID: 440110, Description: off-hook tone, Name: Normal Dial Tone, Language: en

No.	File Type	Media Type	Version	File Name	Uploaded Time	Play
1	package	Audio	8.41	440110_kr_v8.41...	20071220 22:...	▶
2	package	Audio	8.42	440110_kr_v8.42...	20071220 22:...	▶
3	custom	Audio		tell_me.mp4.pcm.p...	20071220 22:...	▶
4	custom	Video		because_of_you.m...	20071221 19:...	▶

>>> Upload

OK Cancel

# Announcement Schedule Management

**Announcement Schedule**

Schedule List

No.	Schedule Name	Description
1	ndt_schedule	

**Schedule List Information**

Day

Use    Start Date: 2007년 12월 1일 토요일    End Date: 2007년 12월 31일 월요일

Holiday

Week

Use     Mon     Tue     Wed     Thu     Fri     Sat     Sun

Hour

Use    Start Time: 오전 10:00:00    End Time: 오전 11:00:00

**File List**

No.	Media Type	File Name	Play	
<input type="checkbox"/>	1	Audio	440110_kr_v8,41,audio,pcm...	
<input checked="" type="checkbox"/>	2	Audio	440110_kr_v8,42,audio,pcm...	
<input type="checkbox"/>	3	Audio	tell_me.mp4,pcm,pma	
<input type="checkbox"/>	4	Video	because_of_you.mp4,pcm,p...	

Save

Priority Selection in case of Multiple Schedule List

Schedule : Week Setting

Schedule : Day Setting

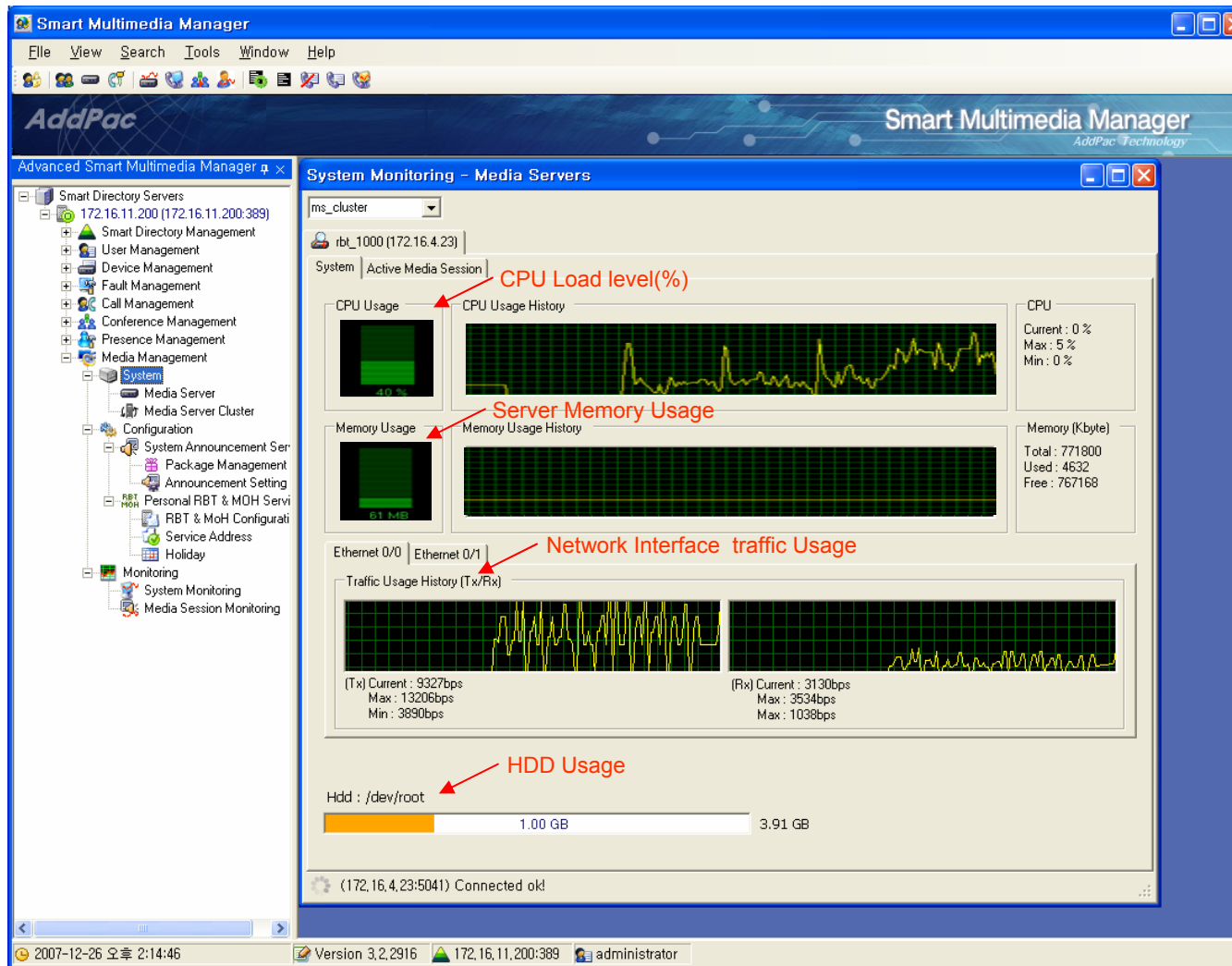
Schedule : Time Setting

Media File Replay

Service Media File List Select

Schedule Save

# System Performance Monitoring



# Active Media Session Monitoring

The screenshot displays the 'Smart Multimedia Manager' application window. The main area is titled 'System Monitoring - Media Servers' and shows a tree view on the left with 'Media Session Monitoring' selected. The right pane displays 'Active Media Session' for the 'ms\_cluster' system. It features two line graphs: 'Media Upload Session History' and 'Media Session History'. A red arrow points to the top graph with the label 'Media Session Size', and another red arrow points to the bottom graph with the label 'Media Upload Session Size'. A button labeled 'Media Session Monitoring...' is also visible, with a red arrow pointing to it and the label 'Media Session Monitoring'. The status bar at the bottom indicates '(172.16.4.23:5041) Connected ok!'. The taskbar shows the date '2007-12-26 오후 2:58:53', version '3.2.2916', and the user 'administrator'.

# Active Media Session List Monitoring (RBT, MoH, CID, Announcement)

The screenshot displays the 'Smart Multimedia Manager' interface. The main window is titled 'Media Session Monitoring' and shows a tree view on the left with 'Media Session Monitoring' selected. The main area displays four session lists:

- RBT Session List:**

No.	Call Manager	Media Type	Calling Address	Called Address	Start Time	File Name	Audio Codec	Video Co...	Status
1	172.16.11.200	Video	4401	6011	2007-12-26...	31a7d32a-af3...	G711U	MPEG4	in service
- MoH Session List:**

No.	Call Manager	Media Type	Calling Address	Called Address	Start Time	File Name	Audio Codec	Video Co...	Status
1	172.16.11.200	Video	4401	6011	2007-12-26...	31a7d32a-af3...	G711U	MPEG4	in service
- CID Session List:**

No.	Call Manager	Media Type	Calling Address	Called Address	Start Time	File Name	Audio Codec	Video Co...	Status
1	172.16.11.200	Video	4401	6011	2007-12-26...	31a7d32a-af3...	G711U	MPEG4	in service
- Announcement Session List:**

No.	Call Manager	Media Type	Calling Address	Called Address	Id	Langu...	Start Time	File Name	Audio Codec	Video Codec
1	172.16.11.200	Video	4401	6011	440110	한국어	1198647345	440110_kr_v8...	G711U	MPEG4

The status bar at the bottom indicates '(172.16.4.23:5041) Connected ok!' and shows the system time as 2007-12-26 오후 4:16:35, version 3.2.2916, and the user administrator.