

# AP-MC2000™

## Video MCU

High-performance Video MCU Solution

**New Enhanced MCU Features**



# **AddPac**

**AddPac Technology**

2008, Sales and Marketing

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

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# Video Display Layout

- **Various Layout**
  - 31 types (Symmetric Layout, Asymmetric Layout)
    - Symmetric Layout : same participant picture size
    - Asymmetric Layout : asymmetric participant picture size
  - Auto, Manually : can choice a specific video layout when a conference is started
- **Dynamic control**
  - Dynamic layout change
  - Dynamic participant movement
- **Floor**
  - Can distinguish a participant by using the concept of the right of a speaking participant
  - Floor to full screen
- **Name display**
  - Display or hide the name of a participant dynamically
- **Border**
  - Three kind of a participant picture border : empty border, a participant boarder, a speaker boarder

# Personal Feature\*

- Individual (Per Connection) Rate Control for Down Stream
  - Codec, Picture Size, etc
- Personal Layout
  - Example, Zooming for Detailed View

# Video Conference Signaling

- Dial-in
  - Even in Dial-out started Video Conference, a participant can join the Video Conference if a participant knows the conference room number in outside.
- Mic off of invisible participant
  - Can turn off MIC of a invisible participant.
- Forced Mute (audio, video)
  - Can mute Audio/Video Capability of a participant via SMM or in Chair, Operator Terminal (Video Phone).
- Virtual Audience
  - Broadcasting solution
  - Can monitor the video conference via inter-working with AddPac Broadcasting Server.
- H323 Support \*
  - Floor control(H.243)
  - Dual Video (H.239)

# MCU Management (SMM)

## Smart Multimedia Management

- Initial Setting
  - Video Layout Setting
  - User class
    - Chair, Operator, Participant, Audience
  - Initial position
- Active Monitoring
  - Monitoring
    - Snapshot
  - Control
    - Layout
    - Move party
    - Floor
    - Mute
- Video Conference Scheduling\*
  - Scheduled Dial-Out Conference

# Conference Room

The screenshot shows the 'Add Conference' dialog box with the following fields and callouts:

- Conference Name & Description**: Callout pointing to the 'Conference Name' and 'Description' text boxes.
- Conference Number**: Callout pointing to the 'Conference Number' text box.
- Conference Type**: Callout pointing to the 'Conference Type' dropdown menu, with text: ': Dial-out, Meet me, AddHoc'.
- Media Type**: Callout pointing to the 'Media Type' section, with text: 'Select Conference Media Type'. The 'Video + Audio' radio button is selected.
- Audio Codec**: Callout pointing to the 'Audio Codec' dropdown menu, with text: 'Select a conference audio codec'. The 'G.711U' option is selected.
- Maximum Participant**: Callout pointing to the 'Max Participant' spinner box, with text: '(Can select in Meet-Me conference type only)'. The value '16' is shown.
- Close on Chair Out**: Callout pointing to the 'Close on Chair Out' checkbox, with text: 'Conference Disconnected if chair hang up phone'. The checkbox is checked.
- Secret Room**: Callout pointing to the 'Secret Room' checkbox and 'Room Password' text box, with text: '-Secret room and Room Password - (Can select in Meet-Me conference type only)'. The 'Secret Room' checkbox is unchecked.
- Video Endpoint**: Callout pointing to the 'Video' section, with text: 'In case of Video Media type, select the video parameter of endpoint.' The 'EndPoint' sub-tab is selected.
- Video Support**: Callout pointing to the 'Video Support' section, with text: 'In case of Video Media Type, select the video information'. The 'Support' sub-tab is selected.

The 'Video Support' section contains the following fields:

- Video Type: Continuous presence
- Target Rate: 1024K
- Picture Size: 640x480
- Video Codec: MPEG4
- Frame Rate: 30 fps

Buttons at the bottom: Ok, Cancel

# Conference - Layout

The screenshot shows the 'Add Conference' dialog box with the 'General' tab selected. The dialog is divided into several sections: 'General', 'Participants', and 'Virtual Audience'. The 'General' section includes fields for 'Conference Name', 'Description', 'Conference Number', 'Conference Type', 'Partition', 'Media Type' (Audio or Video + Audio), 'Audio Codec', 'Max Participant', 'Close on Chair' (checked), 'Secret Room' (unchecked), and 'Room Password' (4 digit). The 'Virtual Audience' section is further divided into 'Support', 'EndPoint', and 'Layout' tabs. The 'Layout' tab is active and contains the following settings: 'Layout Mode' (Manual), 'Arrange Mode' (Dynamic), 'Video Layout' (3), 'Floor Assign Mode' (After Release), 'Floor to Full Screen' (Symmetric checked, Asymmetric unchecked), 'Display Participant Name' (unchecked), 'Color' (Border Line, Floor Line, Background Line, Background, Floor, Background Color Setting), and 'Mic Off of Invisible Participant' (unchecked). Several yellow callout boxes provide additional information about these settings:

- Video Layout Mode**: - Auto (symmetric, asymmetric) - manual
- Arrange Mode**: -(dynamic, fixed, fixed reserved)
- Video Layout**: - Select the video layout
- Floor Assign Mode**: Floor (After Release, On Request)
- Floor to Full Screen**: - Floor to Full Screen Enable/Disable in symmetric, asymmetric Layout Mode.
- Display Participant Name**: - Participant Name Display Enable/Disable and Location of Name Display
- Color**: - Layout border and Floor, Background Color Setting.
- Mic off of Invisible Participant**



# Conference - Participants

**Conference Properties**

General | **Participants** | Virtual Audience

Phone Number	Par...	User
1002		hwang woo sun
1003		sim sang kwon
1004		lee young sik
1005		oh hyoung suk
1006		lee myoung won
1007		choi jin suk
1008		lee min ji
1010		kwon jong hwi
1012		kim sang mi
1013		you jae won
1015		jang byoung ju
1018		kim kyoung nam
1019		kim chang yeon
1020		kwon young pil
1021		kim do hyoung
1024		kim kwang
1026		lee joung hyuk
1027		kim so young
1101		choi woo suk
1102		sin kwang woong
1500		choi jin suk
3003		
		kim kyoung nam
		kim so young
4002		
4003		

Enter External Phone Number

Add

Conference Participants							
Number	Partition	User	Type	User Class	Media Type	Position	Display Name
3001		Steven	Internal	Chair	Video		
3004		John	Internal	Participant	Video		
3005		Jane	Internal	Participant	Video		
3010		Sally	Internal	Participant	Video		

Ok Cancel

**Phone Number**  
Participant Phone List

**External Phone Number**  
Register the external phone line number by inputting number directly

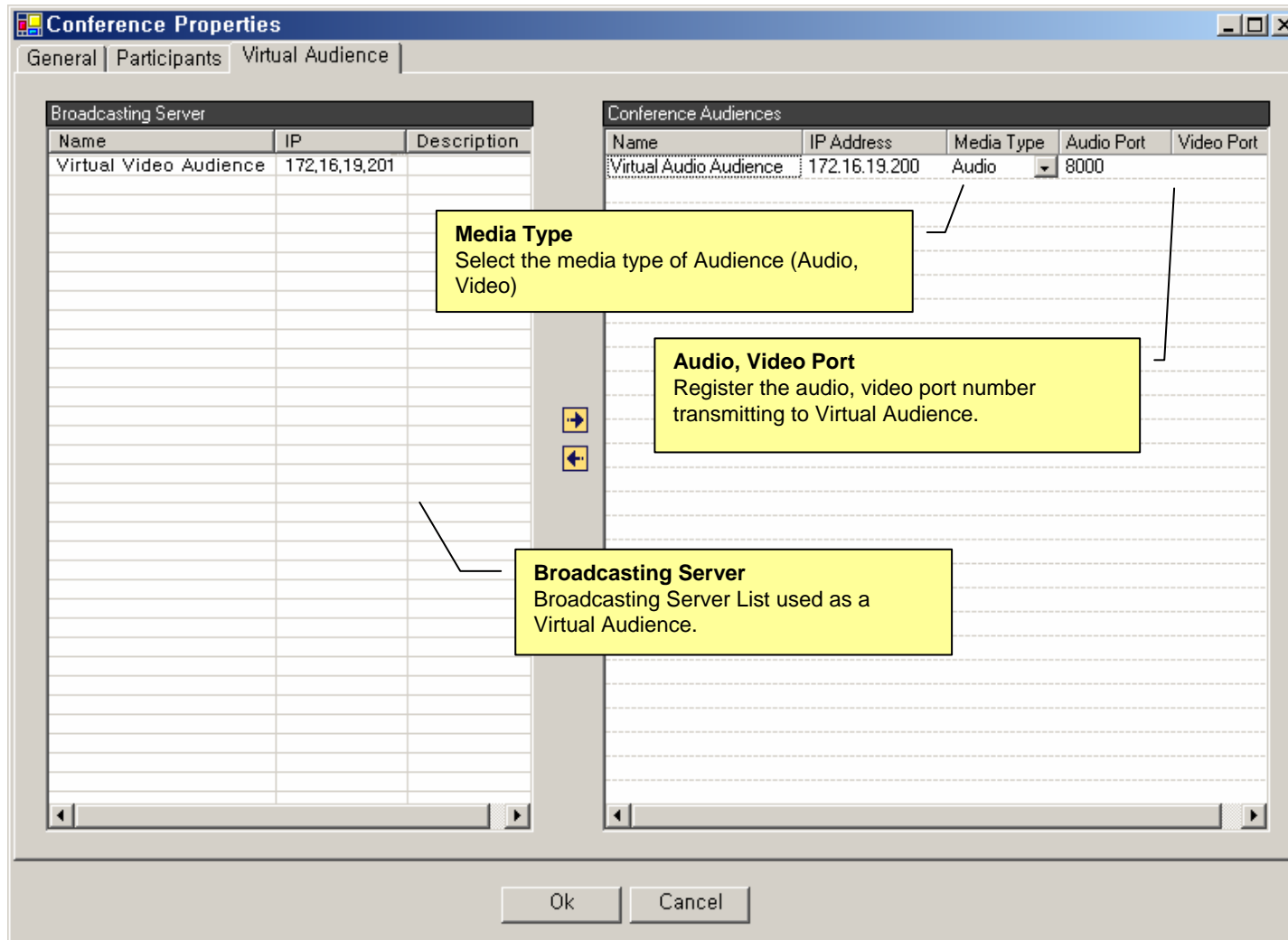
**User Class**  
(Chair, Operator, Participant, Audience)

**Media Type**  
(Audio, Audio (Seat Reserved), Video)

**Position**  
In case of video media type, Select the location of a participant in video layout

**Display Name**  
A Participant Display Name

# Conference – Virtual Audience



# Active Conference (1)

Smart Multimedia Manager - [Active Conferences]

File View Tools Window Help

AddPac Smart Multimedia Manager AddPac Technology

172.16.201.100 172.16.11.120

Conference Name	Conference Number	Status	Conference Type	Start Time	Duration (s...)	Media Type	Floor to Full...	Layout Mode	Arrange Mode	Layout	No. of Pa...
nms conference	7100	Running	Dial-Out	20061207-14:33:45	82	Video	On	Manual	Dynamic		3

**Conference**  
Display the current conference room list

Participants (nms conference)									
Participant Name	Phone Number	IP	Status	Audio	Video	Floor	In Picture	Reason	
choi jin suk(js.choi)	1500	172.16.19.103	Connected						
kim kyoung nam(kn...	3500	172.16.12.30	Connected						
lee joungh hyuk(jh.lee)	6010	172.16.11.110	Connected						

**Participants**  
Display the participant list in conference room each

172.16.201.100 (Ok) 172.16.11.120 (Ok)

2006-12-07 오후 2:35:08 Version 2.9.2532.21338 172.16.201.100:389 administrator

# Active Conference (2)

The screenshot displays the 'Smart Multimedia Manager - [Active Conferences]' window. At the top, there is a menu bar (File, View, Tools, Window, Help) and a toolbar. The main interface features the 'AddPac' logo and a 'Conference' section with a yellow callout box stating: 'Conference parameter setting is possible dynamically in current conference call'. Below this, a table lists conference details:

Conference Name	Conference Number	Status	Conference Type	Start Time	Duration (s..)	Media Type	Floor to Full..	Layout Mode	Arrange Mode	Layout	No. of Pa..
nms conference	7100	Running	Dial-Out	20061207-14:33:45	173	Video	On	Manual	Dynamic		3

Below the conference table is a 'Participants (nms conference)' section with the following table:

Participant Name	Phone Number	IP	Status	Audio	Video	Floor	In Picture	Reason
choi jin suk(js.choi)	1500	172.16.19.103	Connected					
kim kyoung nam(kn...)	3500	172.16.12.30	Connected					
lee joungh hyuk(jh.lee)	6010	172.16.11.110	Connected					

At the bottom of the window, there are status bars for participants (172.16.201.100 (Ok), 172.16.11.120 (Ok)), a system clock (2006-12-07 오후 2:36:34), version information (Version 2.9.2532.21338), and a user ID (172.16.201.100:389 administrator).

# Active Conference (3)

The screenshot displays the 'Smart Multimedia Manager' interface. At the top, there is a menu bar (File, View, Tools, Window, Help) and a toolbar with various icons. The main window title is 'Smart Multimedia Manager - [Active Conferences]'. Below the title bar, there is a header area with the 'AddPac' logo and 'Smart Multimedia Manager' text. The main content area shows a 'Conference' table with the following data:

Conference Name	Conference Number	Status	Conference Type	Start Time	Duration (s..	Media Type	Floor to Full..	Layout Mode	Arrange Mode	Layout	No. of Pa..
nms conference	7100	Running	Dial-Out	20061207-14:33:45	318	Video	On	Manual	Dynamic	[Layout Icon]	3

A yellow callout box points to the 'Conference Snapshot' window, which displays a real-time still image of a current video conference call. The 'Participants (nms conference)' table is also visible, showing the following data:

Participant Name	Phone Number	IP	Status	Audio	Video	Floor	In Picture	Reason
choi jin suk(js.choi)	1500	172.16.19.103	Connected	[Icon]	[Icon]	[Icon]	[Icon]	
kim kyoung nam(kn...)	3500	172.16.12.30	Connected	[Icon]	[Icon]	[Icon]	[Icon]	
lee jounghyuk(jh.lee)	6010	172.16.11.110	Connected	[Icon]	[Icon]	[Icon]	[Icon]	

A yellow callout box points to the 'Participants' table, stating that participant parameter setting is possible dynamically in the current conference call. The interface also includes a 'Conference Snapshot' window with an 'Auto Refresh' checkbox, a 'Refresh' button, and a 'Refresh Interval' set to 5 seconds. The status bar at the bottom shows the date and time (2006-12-07 오후 2:39:02), version (2.9.2532.21338), and user information (administrator).

# OSD (Video Phone, Video Terminal,etc)

- Conference Management (Chair, Operator)
  - Layout
  - Move party
  - Floor
  - Mute
- Indicator
- Floor



# Conference Room

- Application >> Conference Room
  - conference list

**Conference Room**

ON AIR | [Icons]

	Conference name	Conference number	User in conference / maximum	Conference room -Lock -unlock	Conference type -video -audio	Conference layout
	Conference 1	1000	3/16			
	Conference 2	2000	0/4			
	Conference 3	8888	0/16			

See Detail Participant list

**Detail View**

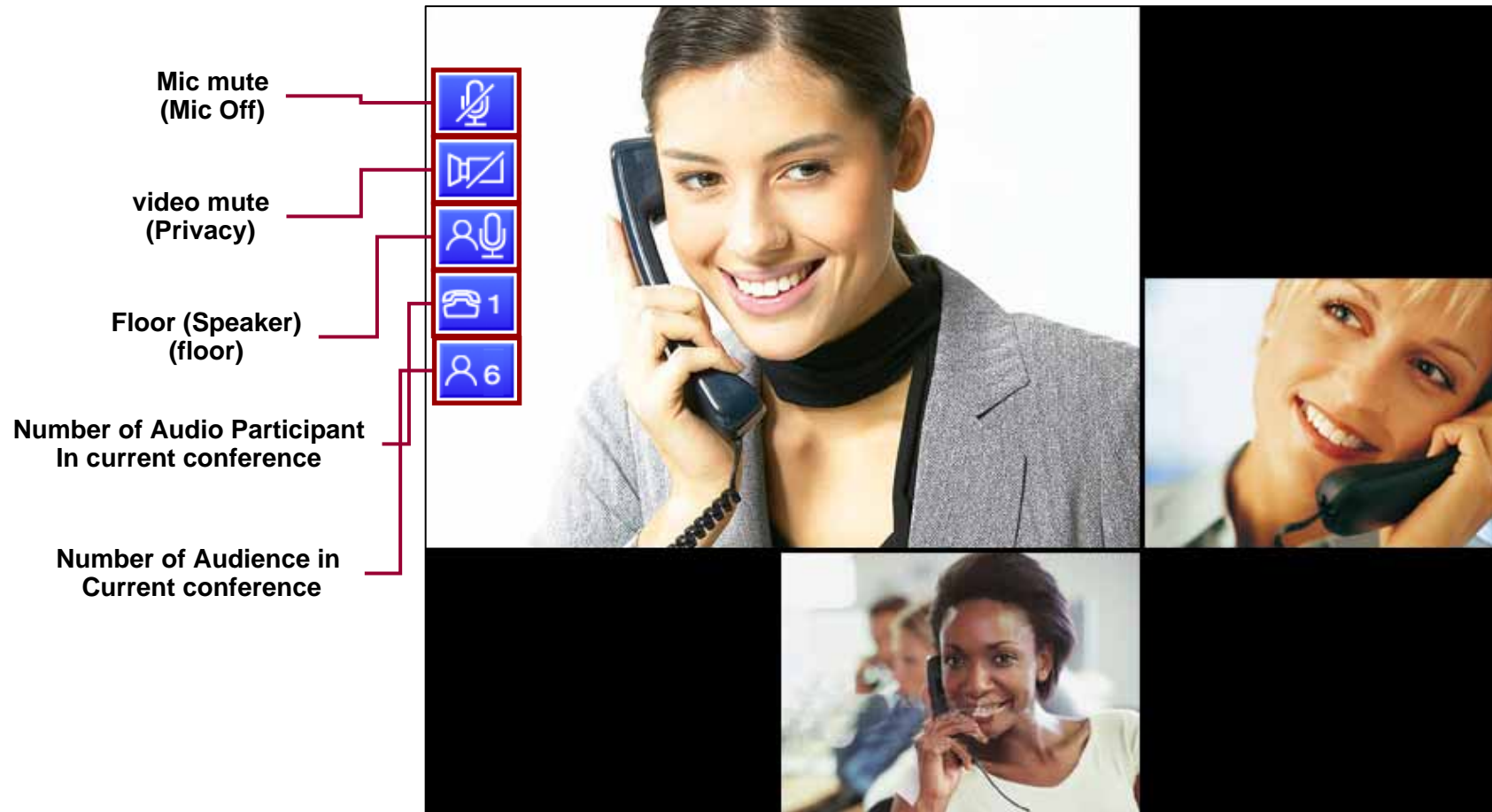
# Conference Open

- Conference open
  - OK or Send Key in Conference Room List
  - Dialing using Conference Room List



# Indicators

- User conference status information (function key)



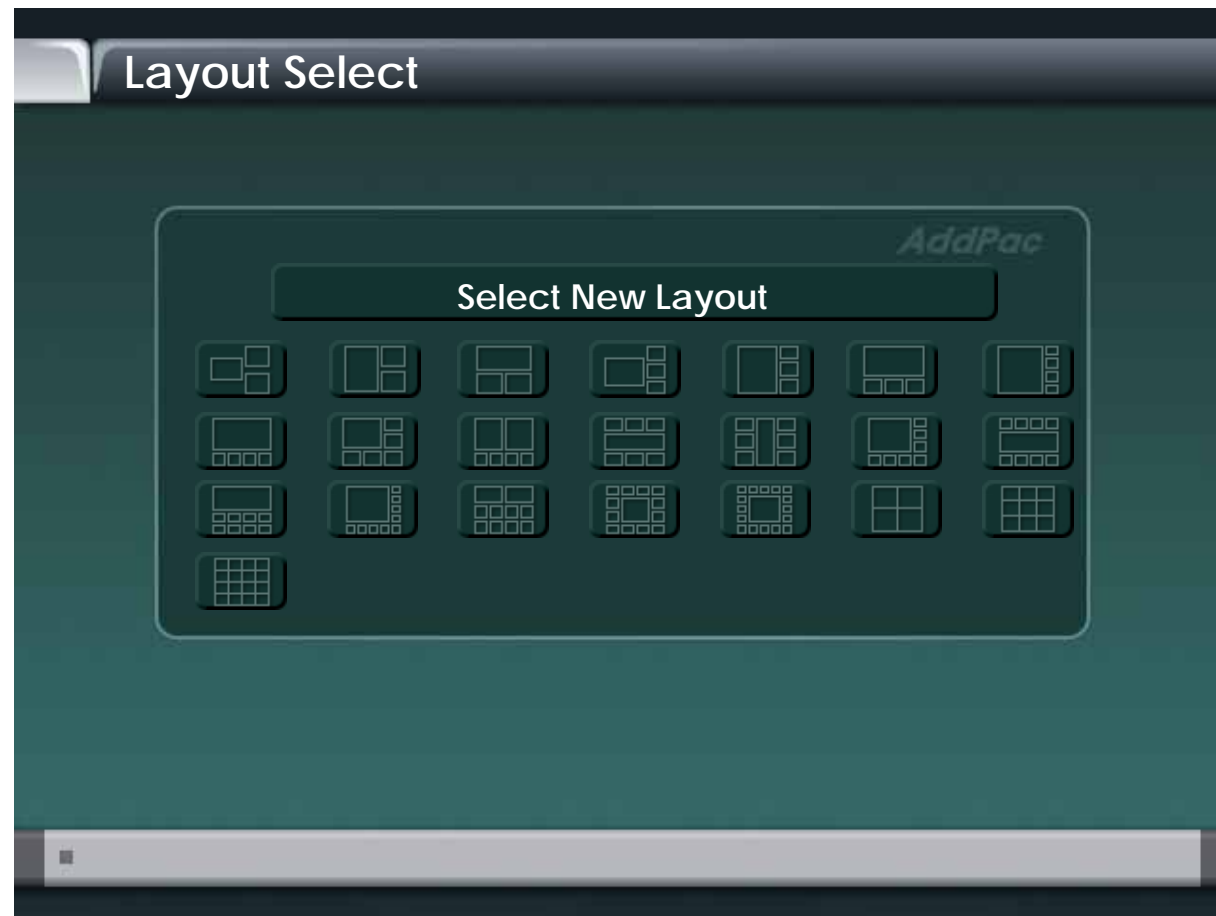
# Add Party

- New User Invite in Current Conference

The screenshot shows the 'Add Party' interface. At the top, there is a title bar with the text 'Add Party' and several icons: 'ON AIR', a grid icon, a telephone icon, 'NUM', and a refresh icon. The main area is a grid of video thumbnails. A large, semi-transparent blue overlay is positioned over the top-left thumbnail, which shows a woman on a phone. The text 'Incoming Call' is centered on this overlay, and the number '3000' is displayed in a white box below it. To the left of the interface, three labels with red lines pointing to specific elements are present: 'Invite new user' points to the blue overlay; 'Select User class -participant -audience' points to the 'Participant' button at the bottom; and 'Select Media type -audio call -video call' points to the 'Audio Call' button at the bottom. The bottom of the interface features two buttons: 'Participant' and 'Audio Call', both highlighted with red boxes.

# Layout

- Video Layout Change in current conference



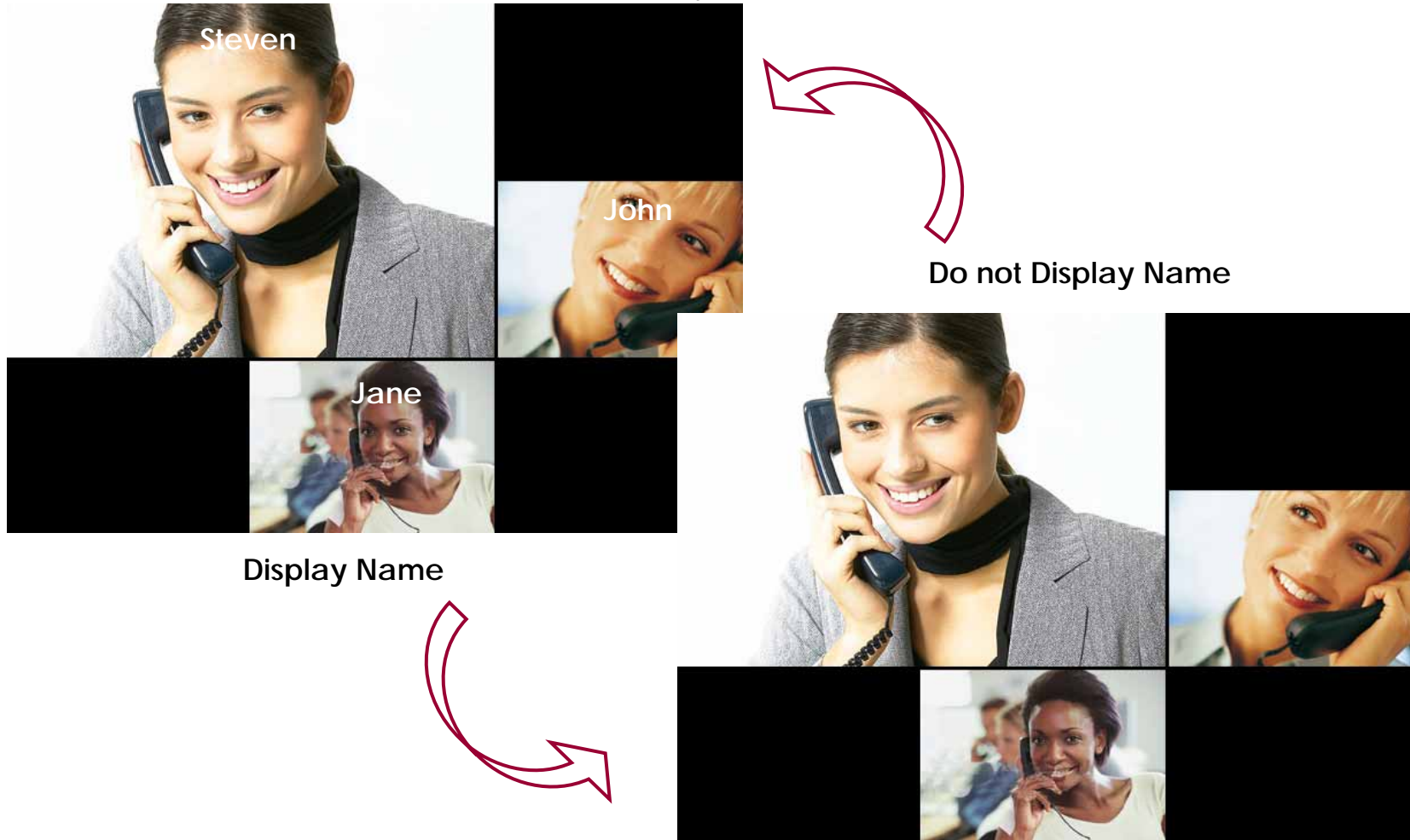
# Floor To Full Screen

- Large view display mode : Floor Participant



# Display Name

- Conference Participant Name Display Enable/Disable



# Accept

- User unregistered want to join the conference
  - User can join the conference by Chair or Operator's Permission,

The screenshot displays a software interface for handling an incoming call. At the top, a dark bar contains the word "Accept" and several icons: "ON AIR", a grid icon, a telephone icon, "NUM", and a moon icon. Below this, a large video window shows a woman on the left and a man on the right. A semi-transparent blue box is overlaid on the video, displaying "Incoming Call" and the number "3000". At the bottom of the interface, a dark bar contains four buttons: "Accept", "Reject", "Participant", and "Audio Call".

Annotations on the right side of the interface:

- User class**
  - participant
  - audience
- Media type**
  - audio call
  - video call

Annotations on the left side of the interface:

- Conference Join**
  - Accept
- Conference Join**
  - Reject

**AddPac** logo is located at the bottom left.

[www.addpac.com](http://www.addpac.com) is located at the bottom center.

# Participant info

- Party Info
  - Simple Participant info list View/Modification
  - Chair, Operator can modify the status of participant
  - Participant, Audience can read only the status of participant



# Detail participant list

- Can view the status information of member In conference

The screenshot shows the 'Participant List' interface. At the top, there are control buttons: 'ON AIR', a grid icon, a microphone icon, 'NUM', and a refresh icon. The main list contains four participants: Sally (3010), Stever (3001), Jane (3005), and John (3004). Each row includes a user class icon, name, number, media type icons (video and audio), and an audio/video enable status icon. A 'position' icon is also visible on the right. At the bottom, there are buttons for 'Assign Floor', 'Remove Party', 'Position', and 'more'.

Media type  
-video  
-audio

Audio/Video enable status

position

User class

Participant's name

Participant's number

User class	Participant's name	Participant's number	Media type	Audio/Video enable status	position
[Icon]	Sally	3010	[Video/Audio]	[Status]	[Position]
[Icon]	Stever	3001	[Video/Audio]	[Status]	[Position]
[Icon]	Jane	3005	[Video/Audio]	[Status]	[Position]
[Icon]	John	3004	[Video/Audio]	[Status]	[Position]

Assign Floor Remove Party Position more



# Assign floor

- Give floor (Right of Speaking) to Participant selected in List
  - The ICON of Participant having Floor is changed as MIC ICON

The screenshot displays the 'Participant List' interface. At the top right, there are icons for 'ON AIR', a grid, a microphone, 'NUM', and a moon. The list contains four participants: Sally (ID 3010), Steven (ID 3001), Jane (ID 3005), and John (ID 3004). Each participant row includes a status icon, name, ID, and several control icons. A red box highlights the microphone icon for Steven, with a label 'Have a right of speaking' pointing to it. Another red box highlights the person icon for Jane, with a label 'Don't have a right of speaking' pointing to it. At the bottom, a control bar contains buttons for 'Assign Floor', 'Remove Party', 'Position', and 'more'. A red box highlights the 'Assign Floor' button, with a label 'Give Floor (Speaker) to Participant' pointing to it.

Participant Icon	Name	ID	Control Icons
Person icon	Sally	3010	Microphone, Camera, Screen
Microphone icon	Steven	3001	Microphone, Camera, Screen
Person icon	Jane	3005	Microphone, Camera, Screen
Person icon	John	3004	Microphone, Camera, Screen

# Remove Party

- Conference Call Disconnect of a Participant selected in List

Participant Select

Conference call disconnect  
of a participant selected

The screenshot shows the 'Participant List' interface. At the top, there are icons for 'ON AIR', a grid, a microphone, 'NUM', and a moon. The list contains four participants: Sally (3010), Steven (3001), Jane (3005), and John (3004). Each participant row has icons for a person, a microphone, a camera, and a screen. The 'Jane' row is highlighted with a red box. A red line connects the 'Participant Select' text to the 'Jane' row. Another red line connects the 'Conference call disconnect of a participant selected' text to the 'Remove Party' button in the bottom navigation bar. The bottom navigation bar also includes 'Assign Floor', 'Position', and 'more' buttons.

Participant	Number	Microphone	Camera	Screen
Sally	3010	ON	ON	ON
Steven	3001	ON	ON	ON
Jane	3005	ON	ON	ON
John	3004	ON	ON	ON

# Position

- Participant Location Change In Conference View Layout
- Display the Position List in current conference view layout



# User Class

- Change the Right of Participant selected in List
- User class icon change



# Audio/Video Mute

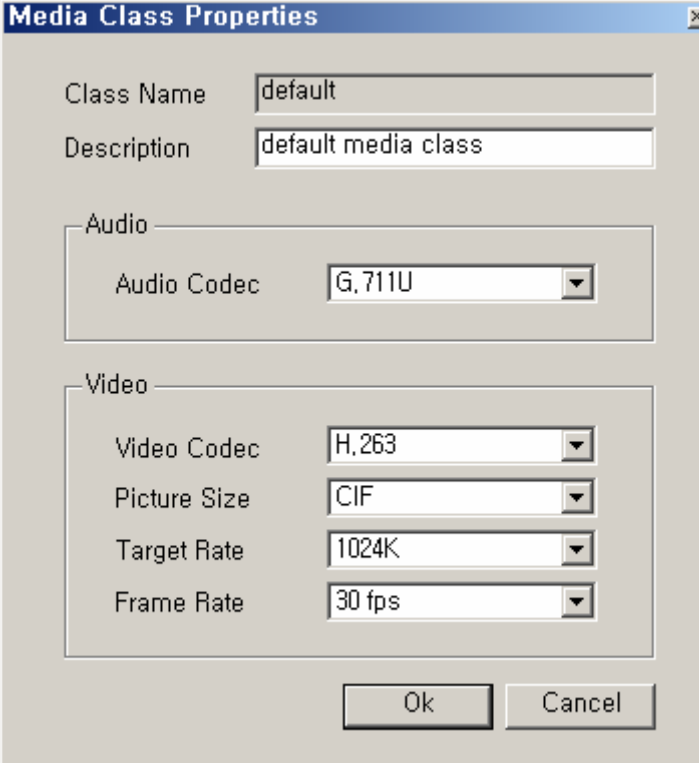
- audio, video mute enable/disable

The screenshot displays the 'Participant List' interface in the AddPac software. At the top, there are several control buttons: 'ON AIR', a grid icon, a telephone handset icon, 'NUM', and a blue square icon. Below these are four participant rows: Sally (ID 3010), Steven (ID 3001), Jane (ID 3005), and John (ID 3004). Each row contains icons for audio and video status. A red box highlights the audio and video icons for Steven and Jane. Above the interface, two labels 'Audio Mute/Enable' and 'Video Mute/Enable' have red lines pointing to the microphone and camera icons respectively. At the bottom, a navigation bar includes 'User Class', 'Audio Enable', 'Video Mute', and 'more'. A label 'Audio, video mute/ enable' has a red line pointing to the 'Audio Enable' and 'Video Mute' buttons.

Participant	ID	Audio Mute/Enable	Video Mute/Enable
Sally	3010	Enabled	Enabled
Steven	3001	Muted	Muted
Jane	3005	Muted	Muted
John	3004	Enabled	Enabled

# Media Class (New)

- **Media Class** represents the profile information about Audio, Video Codecs, and is used for configuration at conference setup



The screenshot shows a dialog box titled "Media Class Properties" with a close button (X) in the top right corner. The dialog is divided into several sections:

- Class Name:** A text input field containing "default".
- Description:** A text input field containing "default media class".
- Audio:** A section containing an "Audio Codec" dropdown menu set to "G.711U".
- Video:** A section containing four dropdown menus: "Video Codec" set to "H.263", "Picture Size" set to "CIF", "Target Rate" set to "1024K", and "Frame Rate" set to "30 fps".

At the bottom of the dialog are two buttons: "Ok" and "Cancel".

# Conference Room

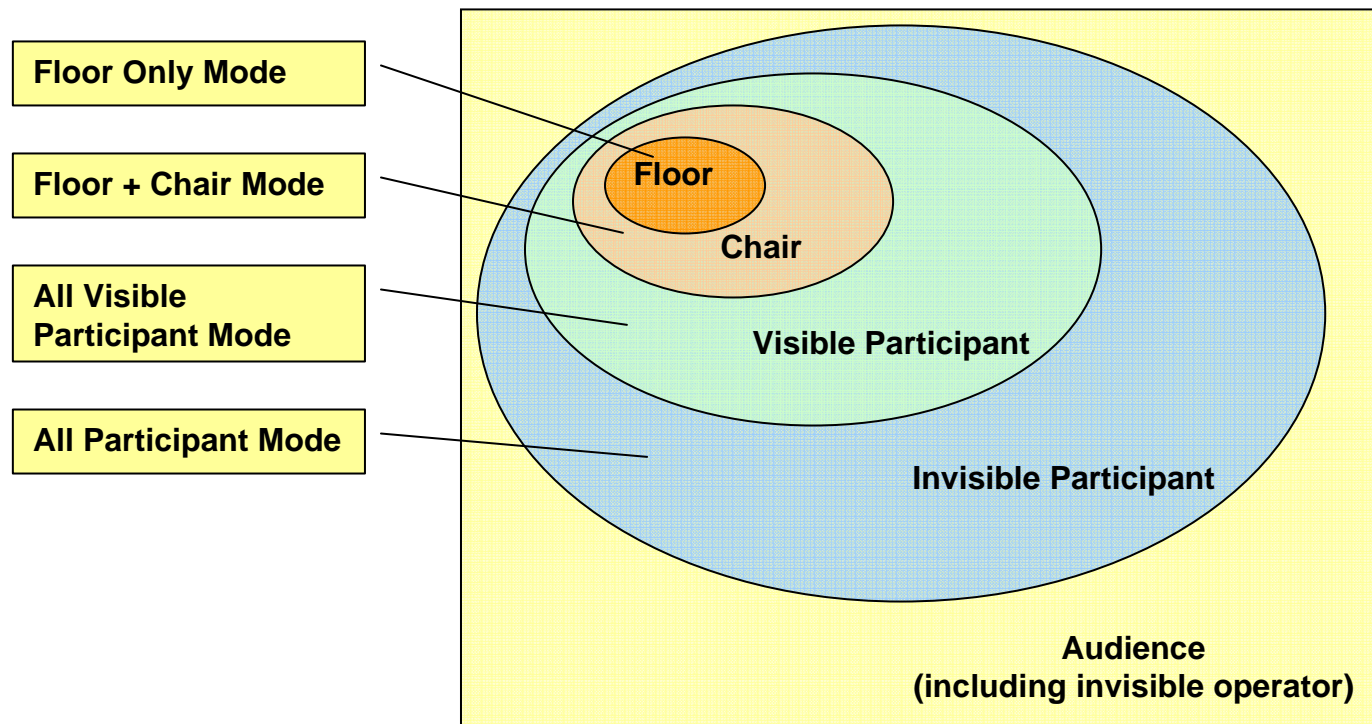
\*Blue Box is newly implemented functions.

The screenshot shows the 'Add Conference' dialog box with the following settings and callouts:

- Conference Name & Description:** Callout pointing to the 'Conference Name' and 'Description' text boxes.
- Conference Number:** Callout pointing to the 'Conference Number' text box.
- Conference Type:** Callout pointing to the 'Conference Type' dropdown menu, which is set to 'Dial-Out Conference'. Description: 'Dial-out, Meet me, AddHoc'.
- Media Type:** Callout pointing to the 'Media Type' dropdown menu, which is set to 'Audio'. Description: 'Select Conference Media Type'.
- Media Class:** Callout pointing to the 'Media Class' dropdown menu, which is set to 'default'. Description: 'Select a Media Class for a conference room. Second, third media class are reserved for first media class Mismatch.'.
- Maximum Participant:** Callout pointing to the 'Max Participant' spinner box, which is set to '16'. Description: '(Can select in Meet-Me conference type only)'.
- Conference Priority:** Callout pointing to the 'Conference Priority' spinner box, which is set to '3'. Description: 'Conference Priority Setting'.
- Close on Chair Out:** Callout pointing to the 'Close on Chair Out' checkbox, which is checked. Description: 'Conference Disconnected if chair hang up phone'.
- Secret Room:** Callout pointing to the 'Secret Room' checkbox, which is unchecked. Description: '-Secret room and Room Password - (Can select in Meet-Me conference type only)'.
- Room Password:** Callout pointing to the 'Room Password' text box, which is empty. Description: '(4 digit)'.
- Video Terminal:** Callout pointing to the 'Video Terminal' section, which includes 'Target Rate' (384K), 'Frame Rate' (30 fps), 'Picture Size' (CIF), and 'Dynamic Picture Size' (enable). Description: 'In case of Video Media type, select the video parameter of endpoint.'.
- Encryption Mode:** Callout pointing to the 'Encryption Mode' dropdown menu, which is set to 'off'. Description: 'Encryption mode setup for secure conference'.
- Speaking Mode:** Callout pointing to the 'Speaking Mode' dropdown menu, which is set to 'All Participants'. Description: 'Set up Who can speak out at conference'.
- Enable Voice Switching:** Callout pointing to the 'Enable Voice Switching' checkbox, which is unchecked. Description: 'Provide the Voice Activity Switching Function'.

# Speaking Mode (New)

- Speaking Mode
  - Determine the scope of participant who can speak out at conference.





# Voice Switching(New)

- Voice Switching
  - Voice Activity Switching or Voice Detect Switching
  - Detect the Voice Activity of participants during video conference, and dynamically change the MCU display layout mode to display a participant who is speaking out currently
  - If one participant obtains Floor, Voice Switching is inactive automatically till Floor is released.
- Display Priority Control
  - Floor > Voice Switching > Chair

# Conference Room - Layout

The screenshot shows the 'Add Conference' dialog box with the 'General' tab selected. The 'Video' section is expanded, showing various layout and display options. Five yellow callout boxes provide detailed explanations for specific settings:

- Video Layout Mode**: - Auto (symmetric, asymmetric) - manual
- Arrange Mode**: -dynamic, fixed, fixed reserved
- Video Layout**: - Select the video layout
- Floor Assign Mode**: -After Release, On Request
- Floor to Full Screen**: - Floor to Full Screen Enable/Disable in symmetric, asymmetric Layout Mode.
- Display Participant Name**: - Participant Name Display Enable/Disable and Location of Name Display
- Color**: - Layout border and Floor, Background Color Setting.

# Conference Room - Participants

**Search Phone Number**  
Used for phone number or user search

Filter  
Filter Name: Phone Number, Rule: is exactly, Word: [ ] [Advanced Search](#) Find

Phone Number			Conference Participants								
Number	Partition	User	Number	Partition	User	Type	User Class	Media Type	Position	Display Name	Media Class
5007	Factory...		5007	Factory_in...		Internal	Chair	Video	[ ]	Steven	default
5008	Factory...		5008	Factory_in...		Internal	Participant	Video	[ ]	John	default
5009	Factory...		5009	Factory_in...		Internal	Participant	Video	[ ]	Jane	default
5010	Factory...		5010	Factory_in...		Internal	Participant	Video	[ ]	Sally	default
5011	Factory...										
5012	Factory...										
5013	Factory...										
5014	Factory...										
6000	external...										
6001	external...										
6005	external...										
6006	external...										
6010	external...										
6020	external...										
6029	external...										

**Phone Number**  
Participant Phone List

**External Phone Number**  
Register the external phone line number by inputting number directly

**User Class**  
(Chair, Operator, Participant, Audience)

**Media Type**  
(Audio, Audio (Seat Reserved), Video)

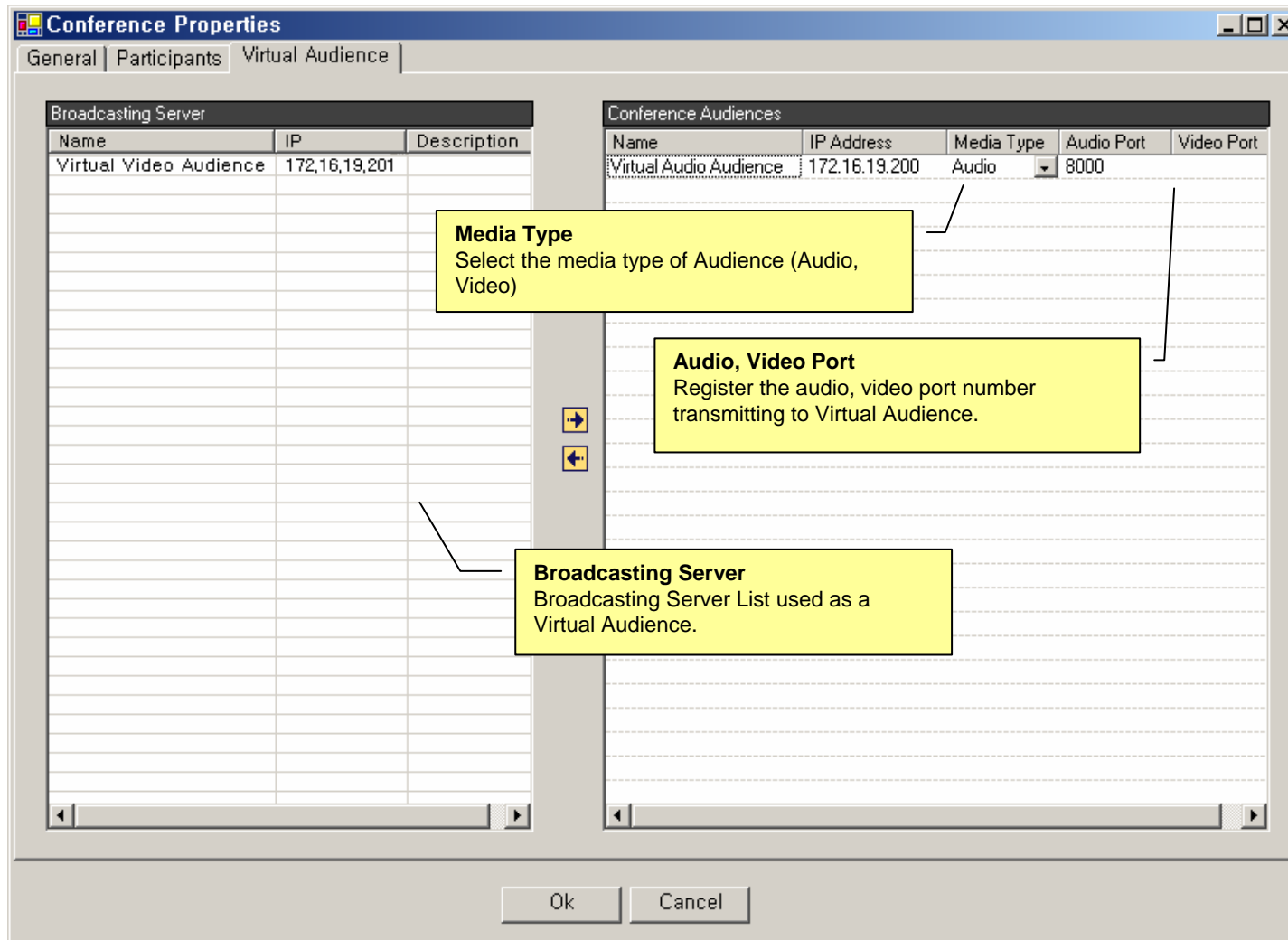
**Position**  
In case of video media type, Select the location of a participant in video layout

**Display Name**  
A Participant Display Name

**Media Class**  
Select a Media Class for a conference participant

Ok Cancel

# Conference Room – Virtual Audience



# Active Conference (1)

**Smart Multimedia Manager - [Active Conferences - IPNext200\_Slave]**

File View Search Tools Window Help

**AddPac** Smart Multimedia Manager AddPac Technology

172.17.250.250 172.16.31.13 172.16.31.2

Conference Na...	Conference Number	Status	Conference Type	Start Time	Duration	Media Type	Floor to Full...	Layout Mode	Arrange Mode	Layout	No. of Pa...
n>AddPac Conference	7002	Running	Dial-Out	20050714-15:30:22	00:02:01	Video	Off	Manual	Dynamic		4

**Conference**  
Display the current conference room list

Participant Name	Phone Number	IP	Status	Audio	Video	Mic.	Speaker	Floor	In Picture	Reason
Kown.jh	7030	172.16.10.1	Joined			8	10			
Choi.js	7031	172.16.10.2	Joined			8	10			
Lee.mj	7032	172.16.10.3	Joined			8	10			
JJang.hg	7033	172.16.10.3	Left			8	10			

**Participants**  
Display the participant list in conference room each

172.17.250.250 (Ok) 172.16.31.13 (Connect fail) 172.16.31.2 (Ok)

2007-10-18 오후 3:35:55 Version 3.0.2846 172.16.31.13:389 Manager

# Active Conference (2)

The screenshot shows the 'Smart Multimedia Manager' interface. At the top, there's a menu bar (File, View, Search, Tools, Window, Help) and a toolbar. Below that is the 'AddPac' logo and a header area with IP addresses: 172.17.250.250, 172.16.31.13, and 172.16.31.2.

The main area contains a 'Conference' table and a 'Participants' table. A layout menu is open, showing various grid patterns. A yellow callout box points to the 'Manual' layout mode, and a blue callout box points to a specific 2x2 grid layout.

**Conference**  
Conference parameter setting is possible dynamically in current conference call

Conference Na...	Conference Number	Status	Conference Type	Start Time	Duration	Media Type	Floor to Full...	Layout Mode	Arrange Mode	Layout	No. of Pa...
n>AddPac Conference	7002	Running	Dial-Out	20050714-15:30:22	00:02:01	Video	Off	Manual	Dynamic	[Layout Icon]	4

**Participants (n>AddPac Conference)**

Participant Name	Phone Number	IP	Status	Audio	Video	Mic.	Speaker	Floor	In Picture
Kown.jh	7030	172.16.10.1	Joined	[Icon]	[Icon]	8	10	[Icon]	[Icon]
Choi.js	7031	172.16.10.2	Joined	[Icon]	[Icon]	8	10	[Icon]	[Icon]
Lee.mj	7032	172.16.10.3	Joined	[Icon]	[Icon]	8	10	[Icon]	[Icon]
JJang.hg	7033	172.16.10.3	Left	[Icon]	[Icon]	8	10	[Icon]	[Icon]

**New 2 Party Layout**

172.17.250.250 (Ok) 172.16.31.13 (Connect fail) 172.16.31.2 (Ok)

2007-10-18 오후 3:36:48 Version 3.0.2846 172.16.31.13:389 Manager

# Active Conference (3)

The screenshot displays the 'Smart Multimedia Manager' interface for an active conference. The main window title is 'Smart Multimedia Manager - [Active Conferences - IPNext200\_Slave]'. The interface includes a menu bar (File, View, Search, Tools, Window, Help) and a toolbar with various icons. The main content area shows a 'Conference' table with the following data:

Conference Na...	Conference Number	Status	Conference Type	Start Time	Duration	Media Type	Floor to Full...	Layout Mode	Arrange Mode	Layout	No. of Pa...
n>AddPac Conference	7002	Running	Dial-Out	20050714-15:30:22	00:02:01	Video	Off	Manual	Dynamic	[Layout Icon]	4

Below the conference table, there are two main panels:

- Conference Snapshot:** A panel on the left showing a real-time still image of a video conference call. It includes an 'Auto Refresh' checkbox, a 'Refresh' button, and a 'Refresh Interval' set to 5 seconds.
- Participants (n>AddPac Conference):** A table listing participants with columns for Name, Phone Number, IP, Status, Audio, Video, Mic, Speaker, Floor, In Picture, and Res. The 'Mic' and 'Speaker' columns are highlighted with a pink box, indicating volume control options for each participant.

At the bottom of the interface, there are status bars for IP addresses (172.17.250.250 [Ok], 172.16.31.13 [Connect fail], 172.16.31.2 [Ok]), a system clock (2007-10-18 오후 3:38:57), and version information (Version 3.0.2846).

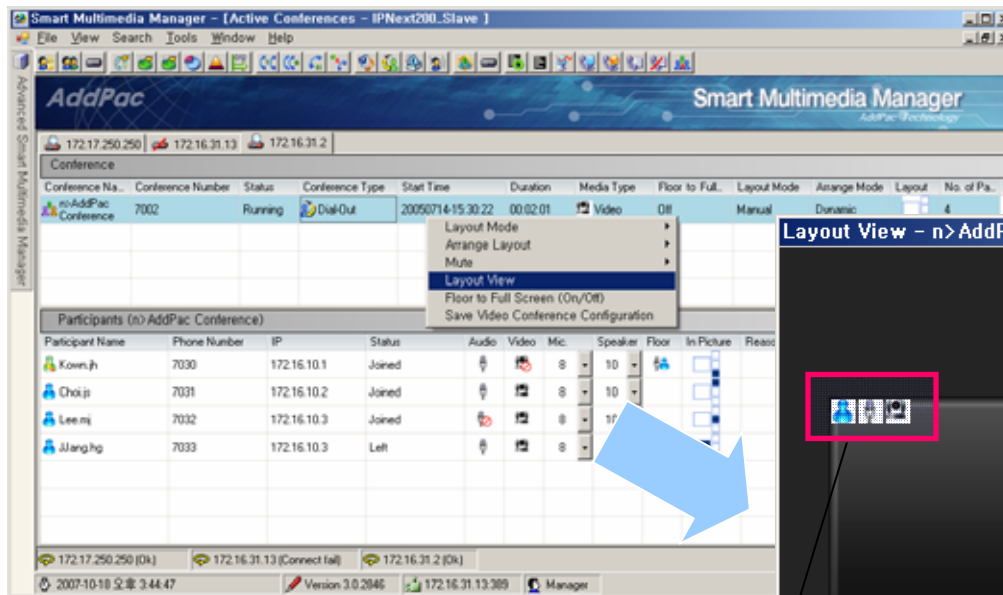
**Conference Snapshot**  
Display the real-time still image of a current video conference call

**Mic, Speaker**  
Mic or Speaker Volume Control for a Conference participant

**Participants**  
Participant parameter setting is possible dynamically in current conference call

# Active Conference (4)

Layout view function provide the layout status of a conference participant



**Layout View**  
User can change a participant layout easily via Mouse Drag & Drag at Layout view window. Floor configuration, participant add or delete function is also provided.



**Indicator**  
User class configuration, audio/video on/off and configuration is possible

**Status**  
Display the status of each participant such as phone number, nick name, alias. Using font color, show whether a user participate conference room or not. ( yellow color : participating , grey color : not participating)

**Floor**  
Background of Floor participant among a conference room is displayed as red color to distinguish floor participant with other participant.



# Conference Schedule

Conference scheduling is used for configuration of repeated conference or a specific day conference

The screenshot shows a dialog box titled "Add a New Conference Schedule" with the following fields and callouts:

- Schedule Name, Description:** Callout box pointing to the "Schedule Name" (text: "Conference Schedule") and "Description" (empty) fields.
- Conference Room:** Callout box pointing to the "Conference Room" (text: "Dial") field.
- Start Date time:** Callout box pointing to the "Start Datetime" field (text: "2007-10-18", "오후 4:00:45").
- Duration:** Callout box pointing to the "Duration" field (empty) and the "sec" label.
- Schedule Recurrence:** Callout box pointing to the checked "Schedule Recurrence" checkbox.
- Daily, Weekly, Monthly:** Callout box pointing to the "Recurrence" section with radio buttons for "Daily", "Weekly" (selected), and "Monthly".
- Range Of Recurrence:** Callout box pointing to the "Range Of Recurrence" section, including "Recur every" (checkboxes 1-5 week), day checkboxes (Mon-Sun), and "End By" (text: "2007-10-18").
- Enable Schedule:** Callout box pointing to the checked "Enable Schedule" checkbox at the bottom.

Buttons: "Ok" and "Cancel" are located at the bottom of the dialog.

# Video MCU Series

# Thank you!

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