

AP-MC3000™

Video MCU

High-performance Video MCU Solution

New Enhanced MCU Features



AddPac

AddPac Technology

2007, Sales and Marketing

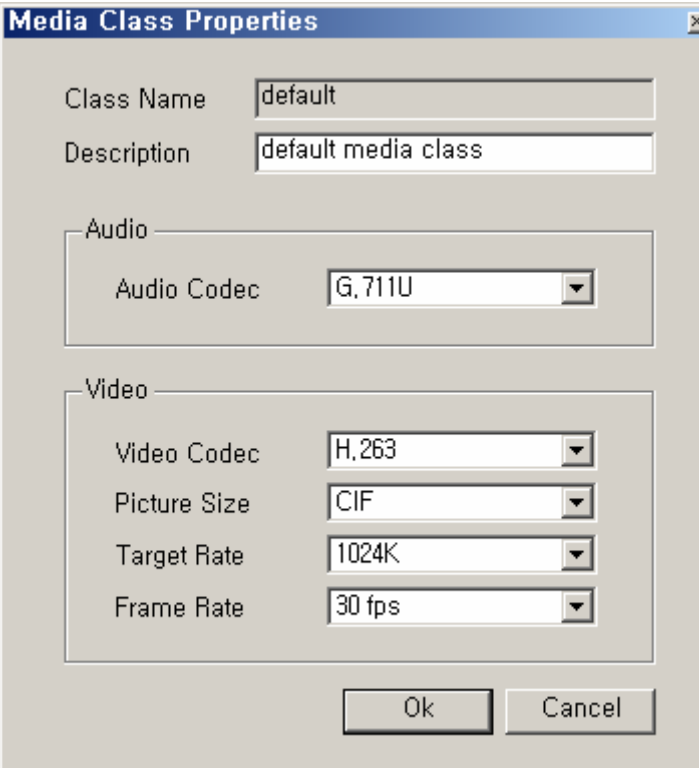
www.addpac.com

AP-MC3000 Advanced Feature

- Media Class
- Conference Room
 - Speaking Mode
 - Voice Switching
- Active Conference
- Conference Scheduling

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 field containing "default".
- Description:** A text field containing "default media class".
- Audio:** A section containing a dropdown menu for "Audio Codec" with "G.711U" selected.
- Video:** A section containing four dropdown menus:
 - "Video Codec" with "H.263" selected.
 - "Picture Size" with "CIF" selected.
 - "Target Rate" with "1024K" selected.
 - "Frame Rate" with "30 fps" selected.

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

Conference Room

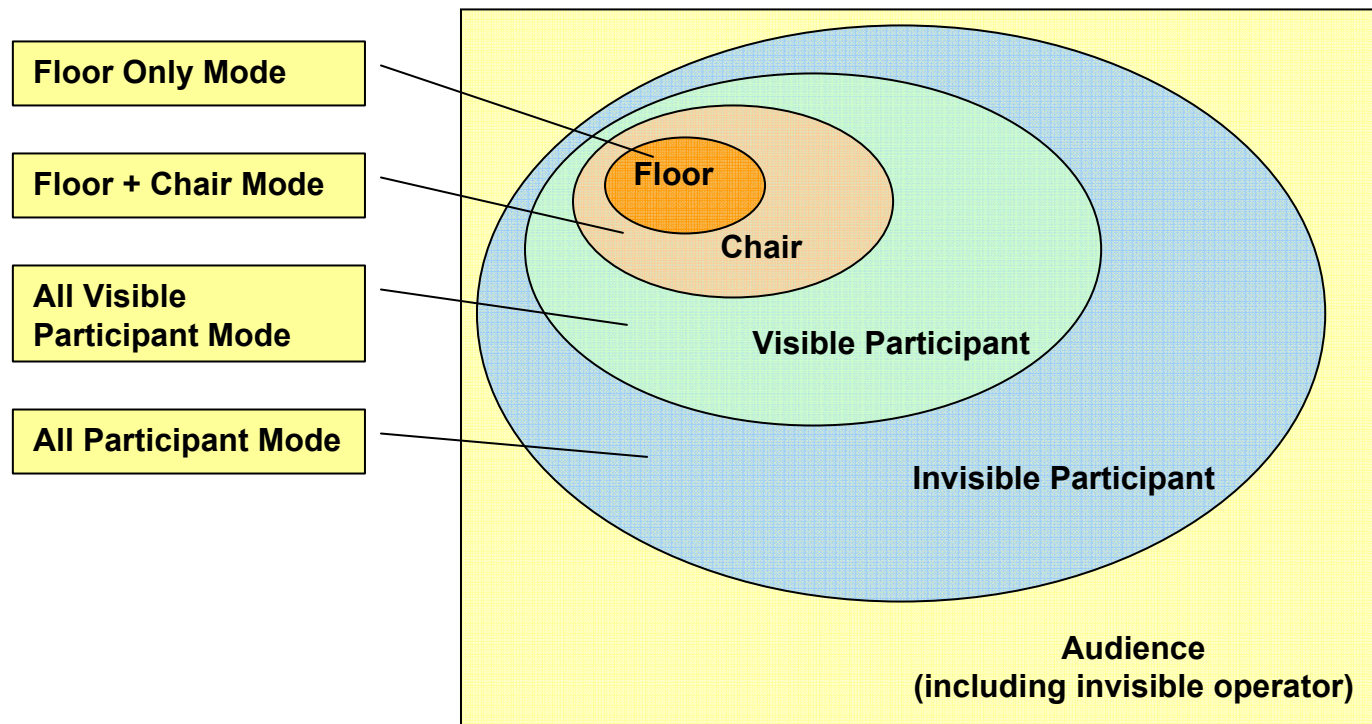
*Blue Box is newly implemented functions.

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.'.
- 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'.
- Encryption Mode:** Callout pointing to the 'Encryption Mode' dropdown menu, which is set to 'off'. Description: 'Encryption mode setup for secure conference'.
- 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)'. Note: 'Room Password' (4 digit) is also visible.
- 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'.
- 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.'.

Speaking Mode (New)

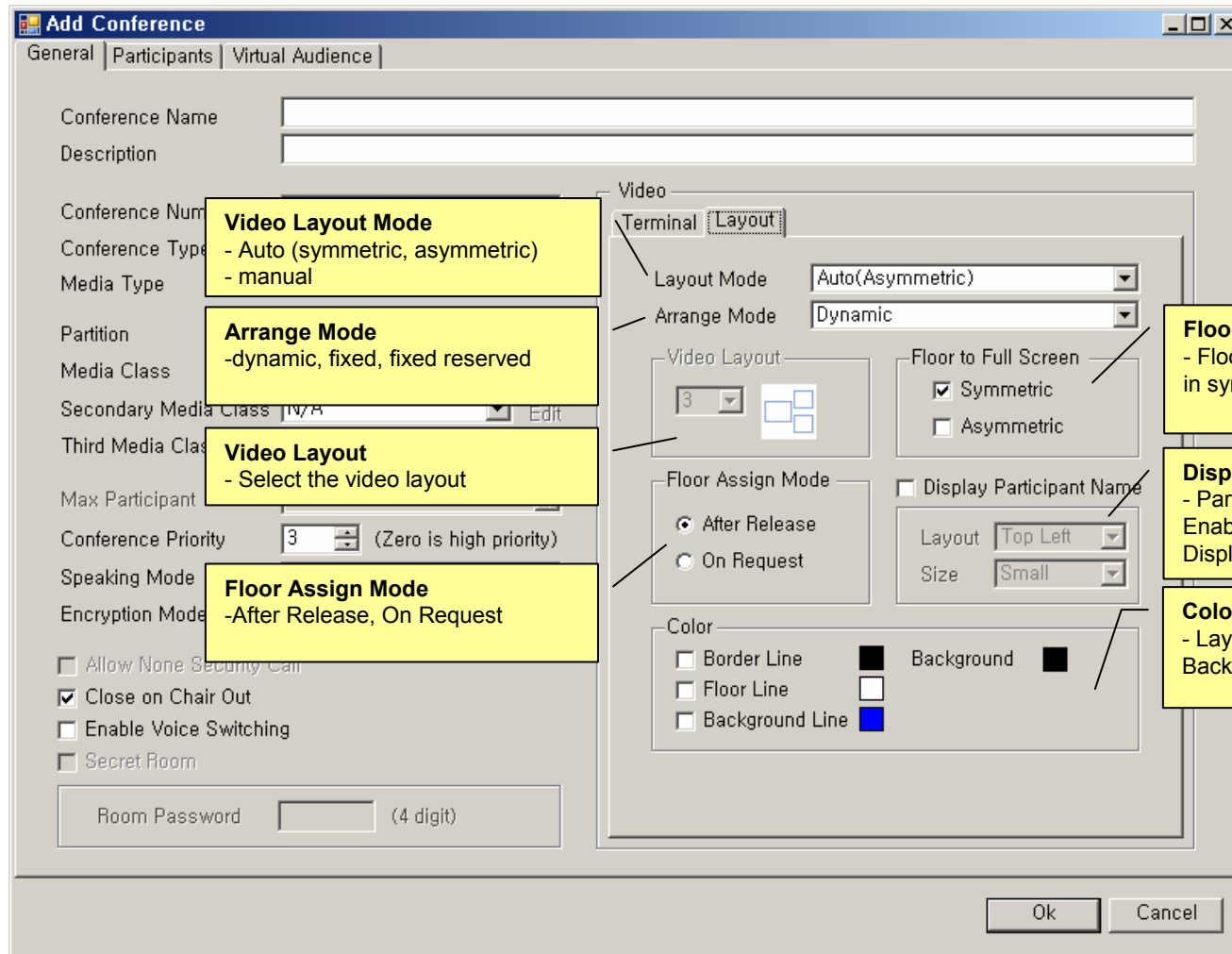
- Speaking Mode
 - Determine the scope of participant who can speak out at conference.



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



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...										
6011	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)

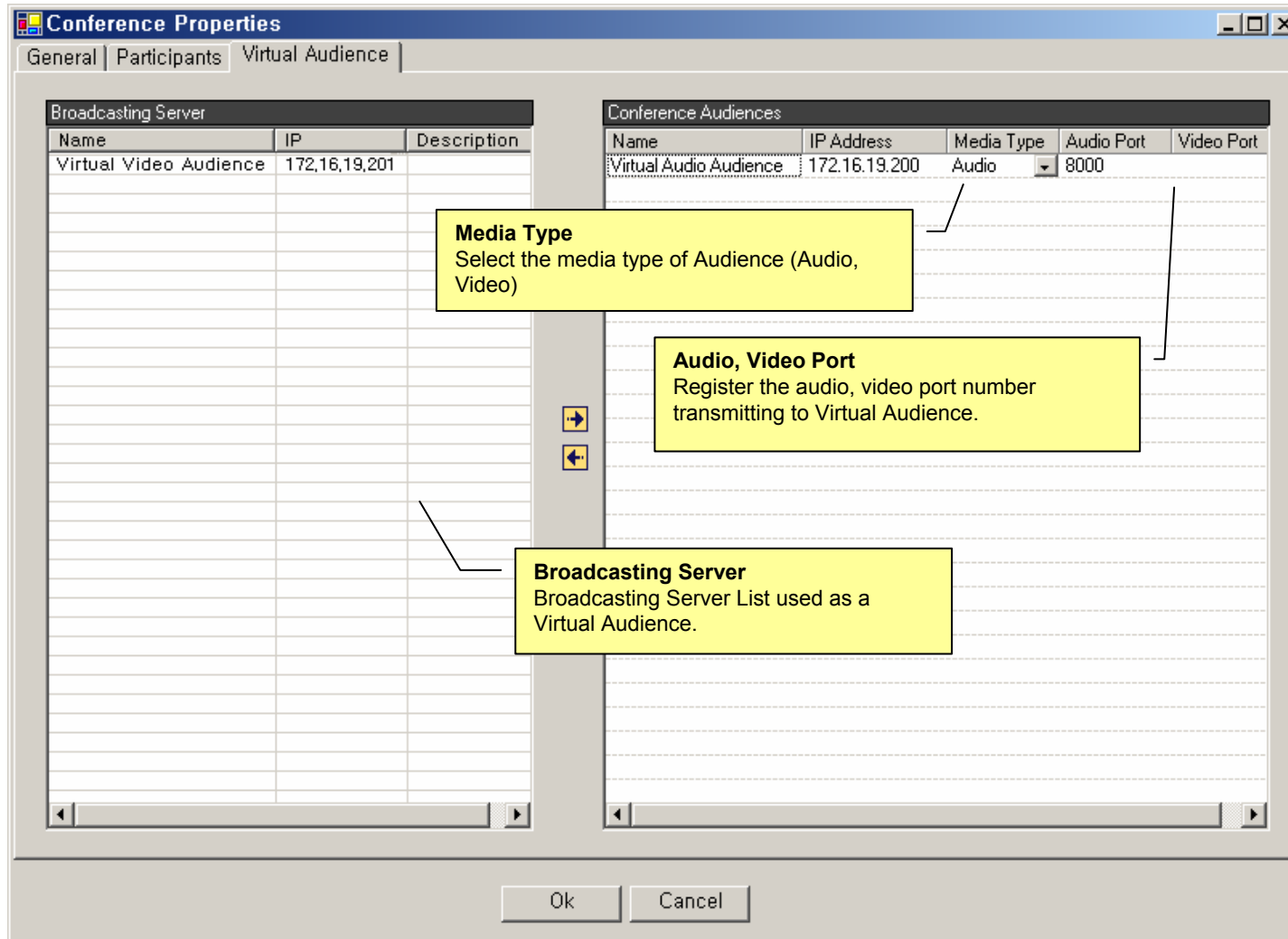
Position
In case of video media type, Select the location of a participant in video layout

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 displays the 'Smart Multimedia Manager' interface. At the top, a yellow callout box contains the text: "Conference Conference parameter setting is possible dynamically in current conference call". Below this, a table lists conference details. A blue callout box labeled "신규 2자 Layout" points to a specific layout icon in a grid of options. The bottom section of the interface shows a list of participants with their names, phone numbers, IP addresses, and status.

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

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]

Active Conference (3)

The screenshot displays the 'Smart Multimedia Manager' interface. At the top, the title bar reads 'Smart Multimedia Manager - [Active Conferences - IPNext200_Slave]'. Below the title bar is a menu bar (File, View, Search, Tools, Window, Help) and a toolbar with various icons. The main area features the 'AddPac' logo and 'Smart Multimedia Manager' text.

Below the header, there are three IP addresses: 172.17.250.250, 172.16.31.13, and 172.16.31.2. A 'Conference' table is shown 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

Callouts include:

- Conference Snapshot**: Display the real-time still image of a current video conference call. This points to a 'Conference Snapshot' window showing a grid of video thumbnails.
- Mic, Speaker**: Mic or Speaker Volume Control for a Conference participant. This points to the 'Mic' and 'Speaker' columns in the 'Participants' table.
- Participants**: Participant parameter setting is possible dynamically in current conference call. This points to the 'Participants' table.

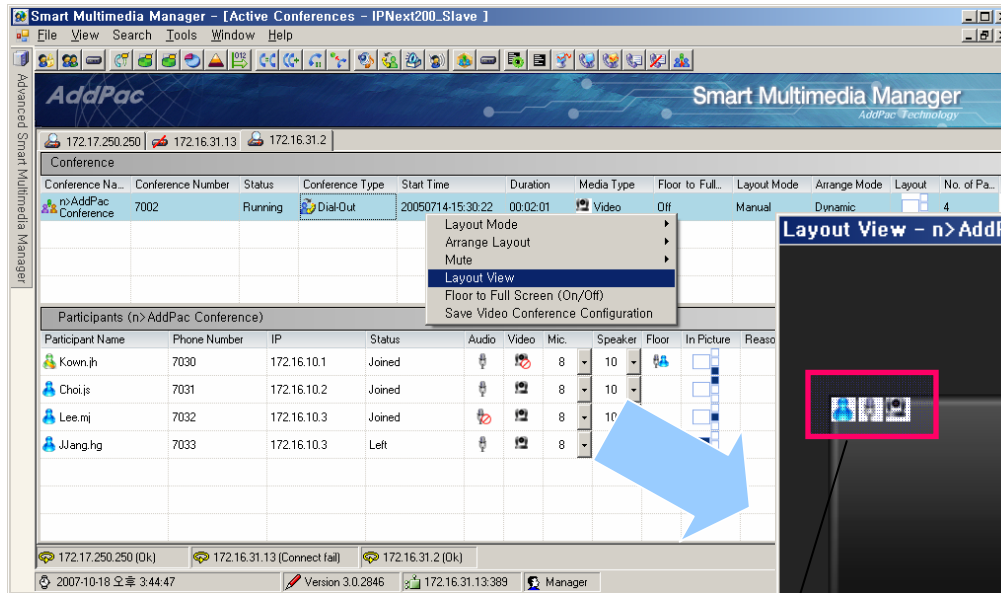
The 'Participants' table is as follows:

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

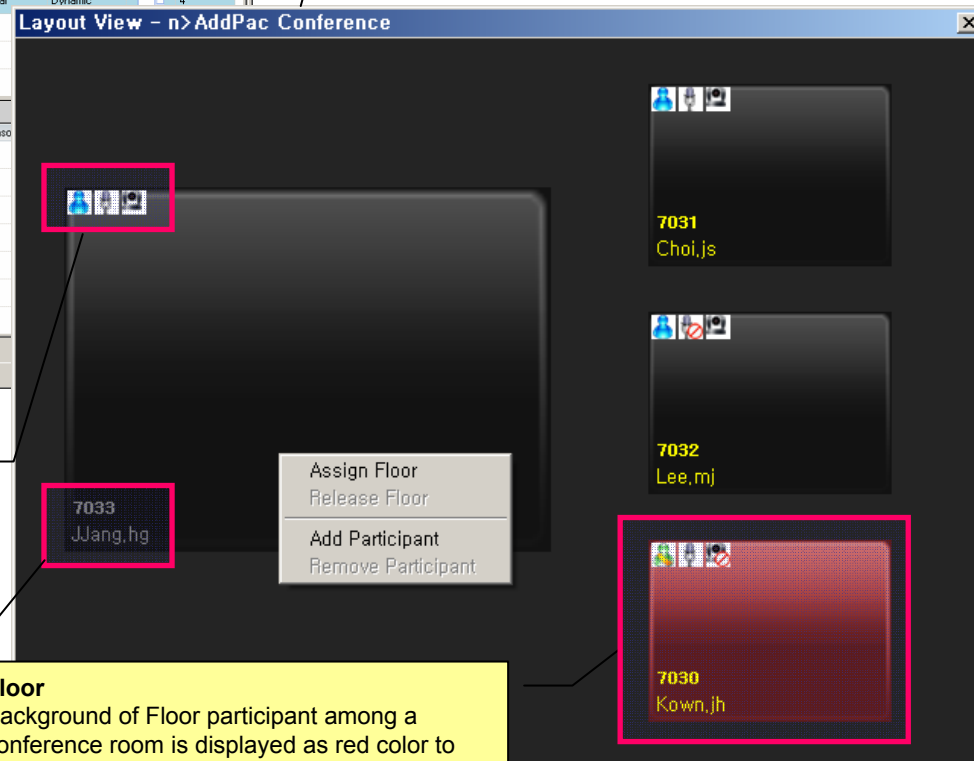
At the bottom, there are status bars for IP addresses (172.17.250.250 [Ok], 172.16.31.13 [Connect fail], 172.16.31.2 [Ok]), a date/time stamp (2007-10-18 오후 3:38:57), version (3.0.2846), and a user name (Manager).

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:** Fields for "Schedule Name" (containing "Conference Schedule") and "Description".
- Conference Room:** A dropdown menu set to "Dial".
- Start Date time:** A date dropdown set to "2007-10-18" and a time spinner set to "오후 4:00:45".
- Duration:** A text input field followed by "sec".
- Schedule Recurrence:** A checked checkbox labeled "Schedule Recurrence".
- Recurrence:** Radio buttons for "Daily", "Weekly" (selected), and "Monthly".
- Weekly:** A sub-section with "Recur every" and checkboxes for "1", "2", "3", "4", "5" week, and checkboxes for days "Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun".
- Range Of Recurrence:** A section with "End By:" and a date dropdown set to "2007-10-18".
- Enable Schedule:** A checked checkbox labeled "Enable Schedule".

Callout boxes provide additional context:

- Start Date time:** Schedule start day and time setup
- Duration:** Conference duration time (sec)
- Schedule Recurrence:** Repeated conference setup
- Enable Schedule:** Schedule enable or disable Setup
- Schedule Name, Description:** Conference Schedule Name and Explanation
- Conference Room:** Conference Room Setup
- Daily, Weekly, Monthly:** Set up Conference schedule
- Range Of Recurrence:** Schedule end-day setup