AP-MC1800™ Video MCU

High-performance Video MCU Solution

New Enhanced MCU Features

AddPac Technology

2011, Sales and Marketing

Contents

- Video Display Layout
- Dynamic Session Management
- Personal Feature
- Video Conference Signaling
- MCU Management (SMM)
- OSD (Video Phone, Video Terminal, etc)
- Media Class
- Conference Room
  - Speaking Mode
  - Voice Switching
- Active Conference
- Conference Scheduling

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)

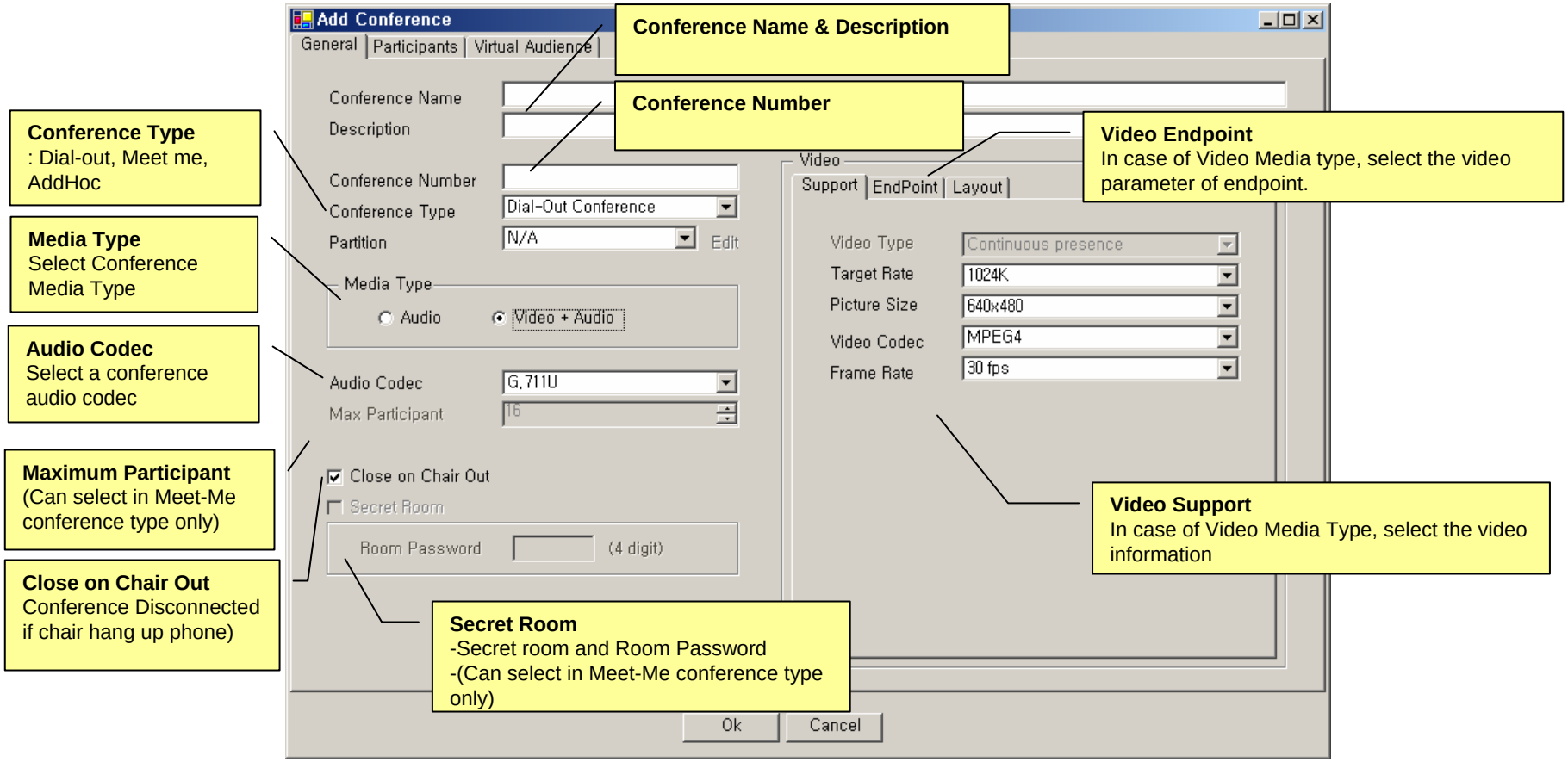
MCU Management (SMM : Smart Multimedia Management)

- Initial Setting
  - Video Layout Setting
  - User class
    - Chair, Operator, Participant, Audience
  - Initial position

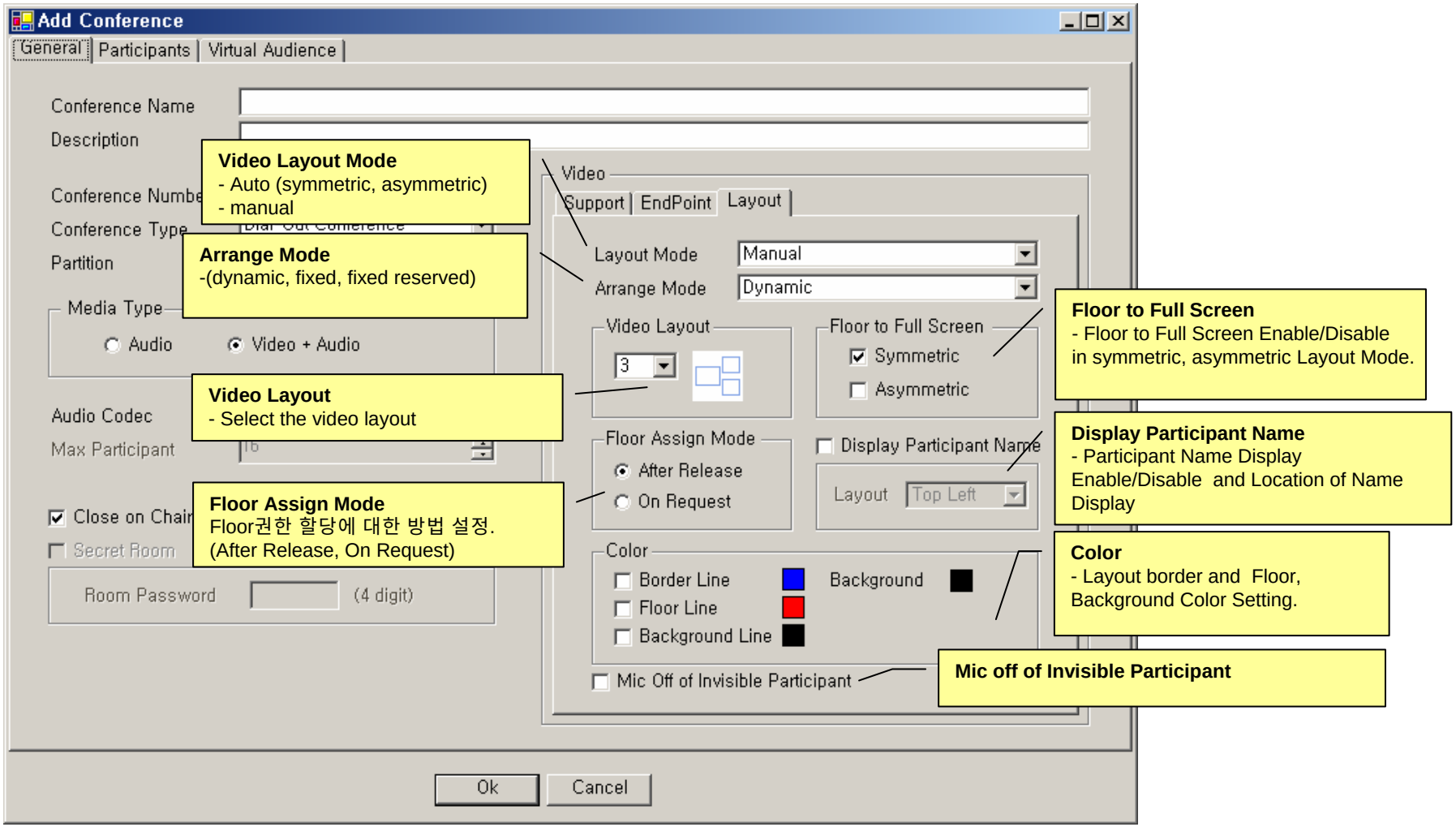
- Active Monitoring
  - Monitoring
    - Snapshot
  - Control
    - Layout
    - Move party
    - Floor
    - Mute

- Video Conference Scheduling*
  - Scheduled Dial-Out Conference

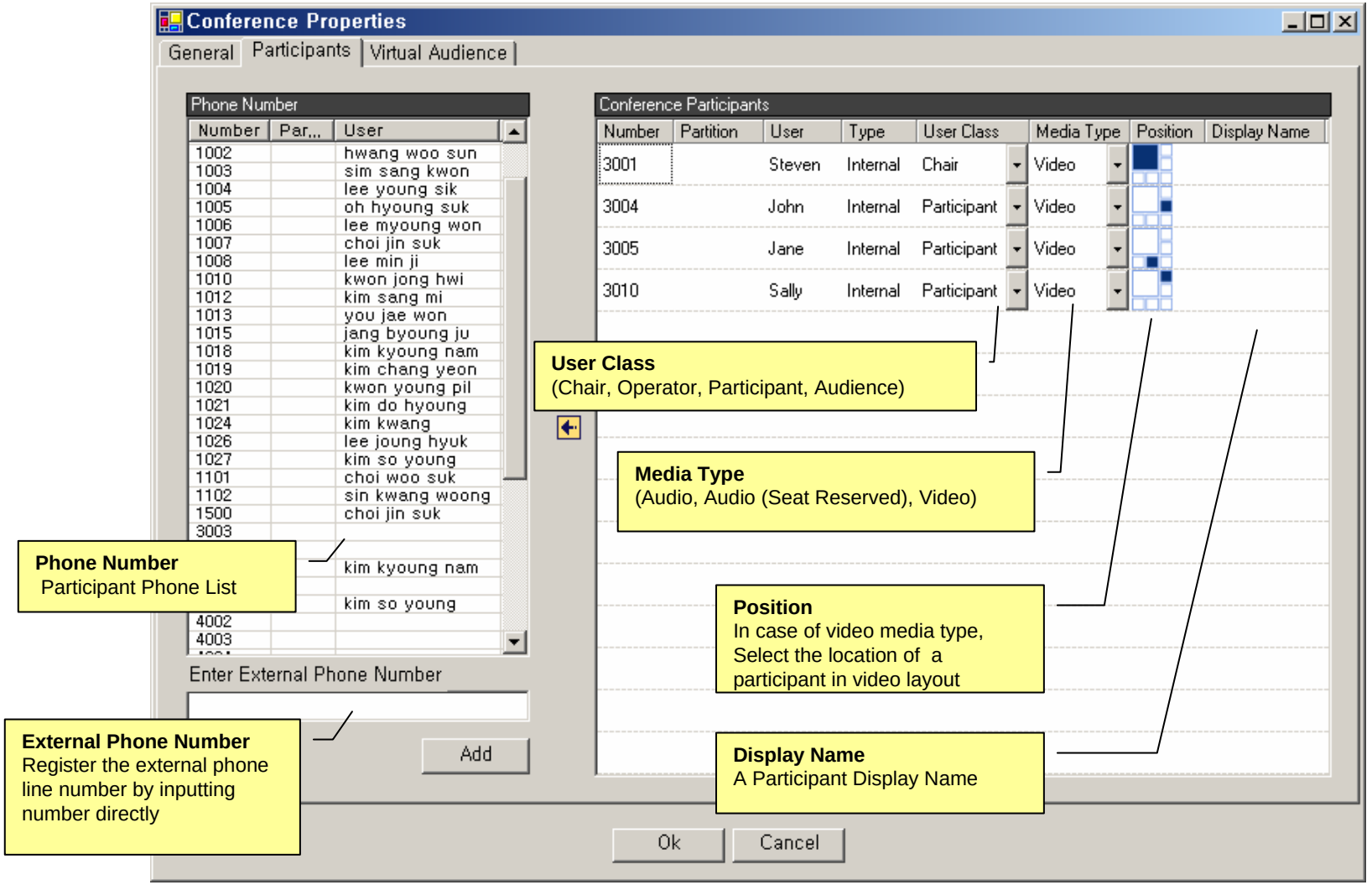
Conference Room



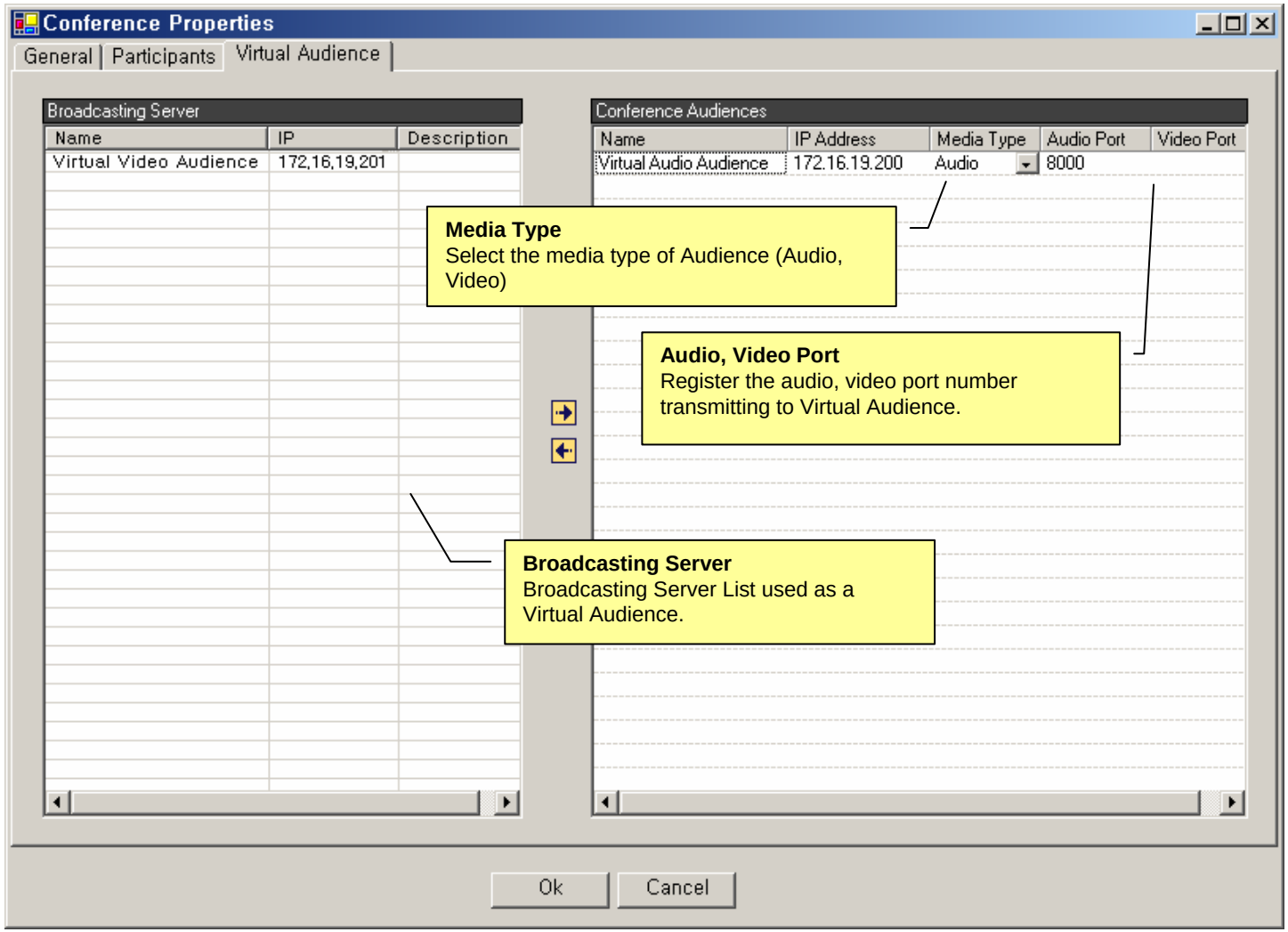
Conference - Layout



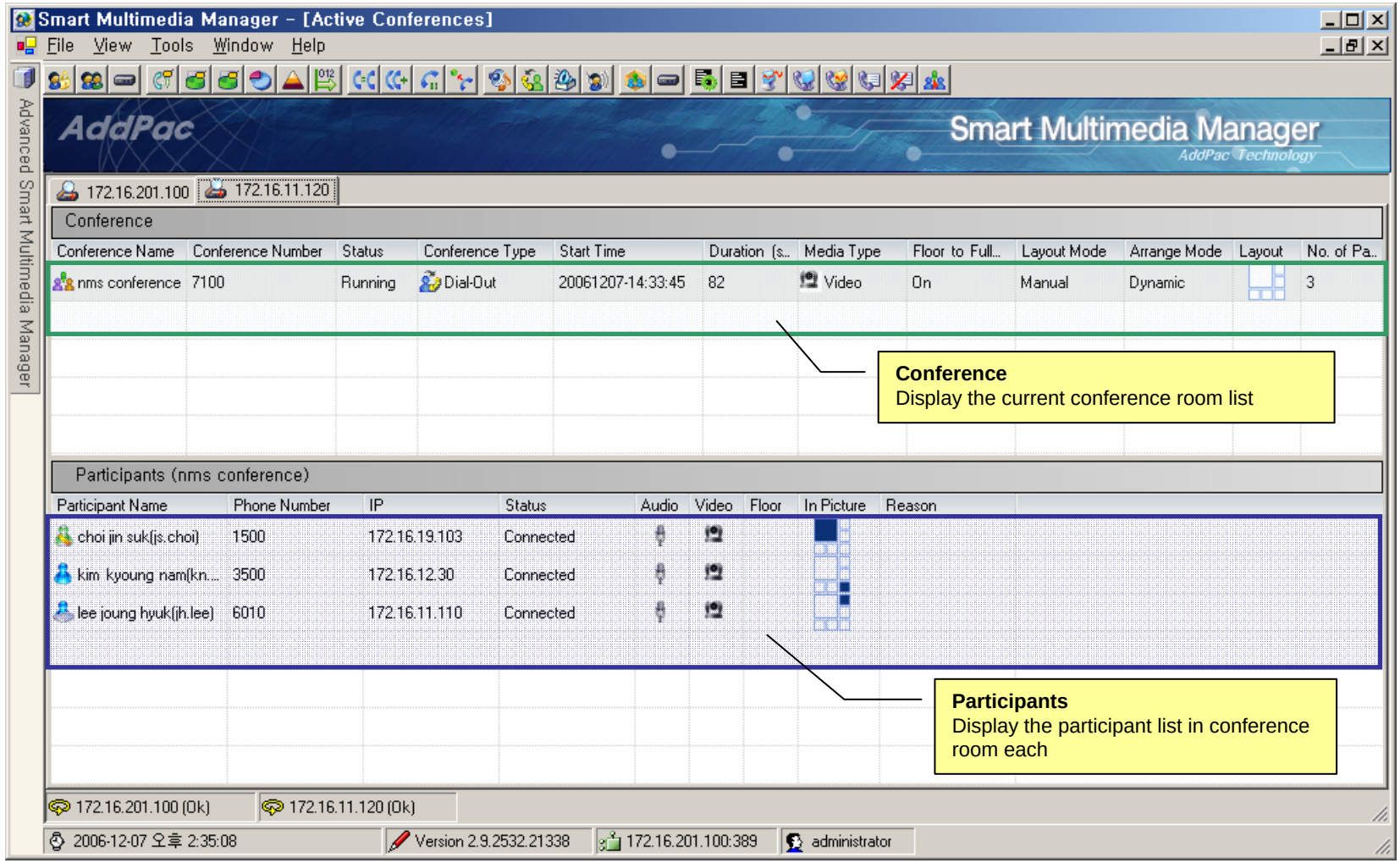
Conference - Participants



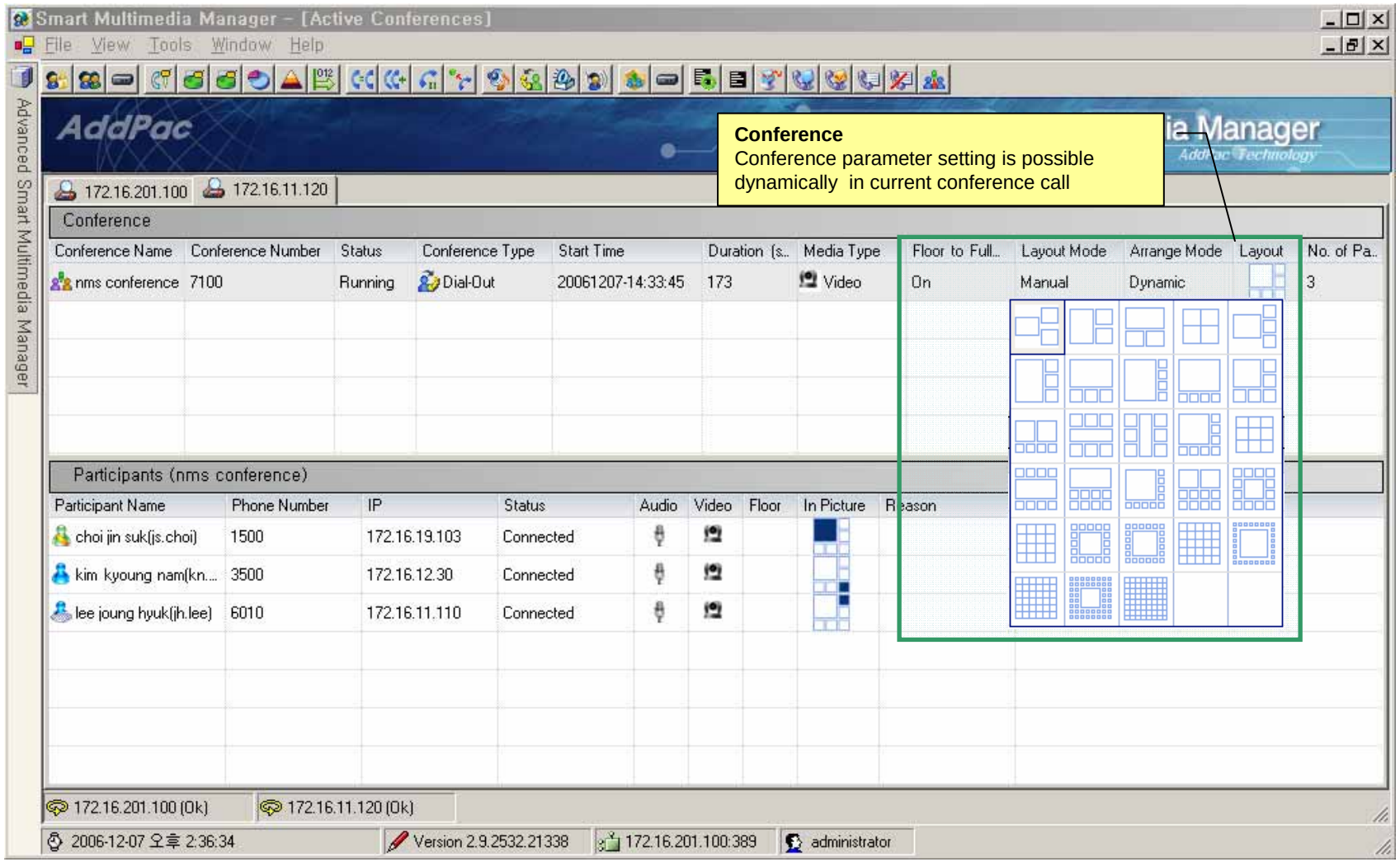
Conference – Virtual Audience



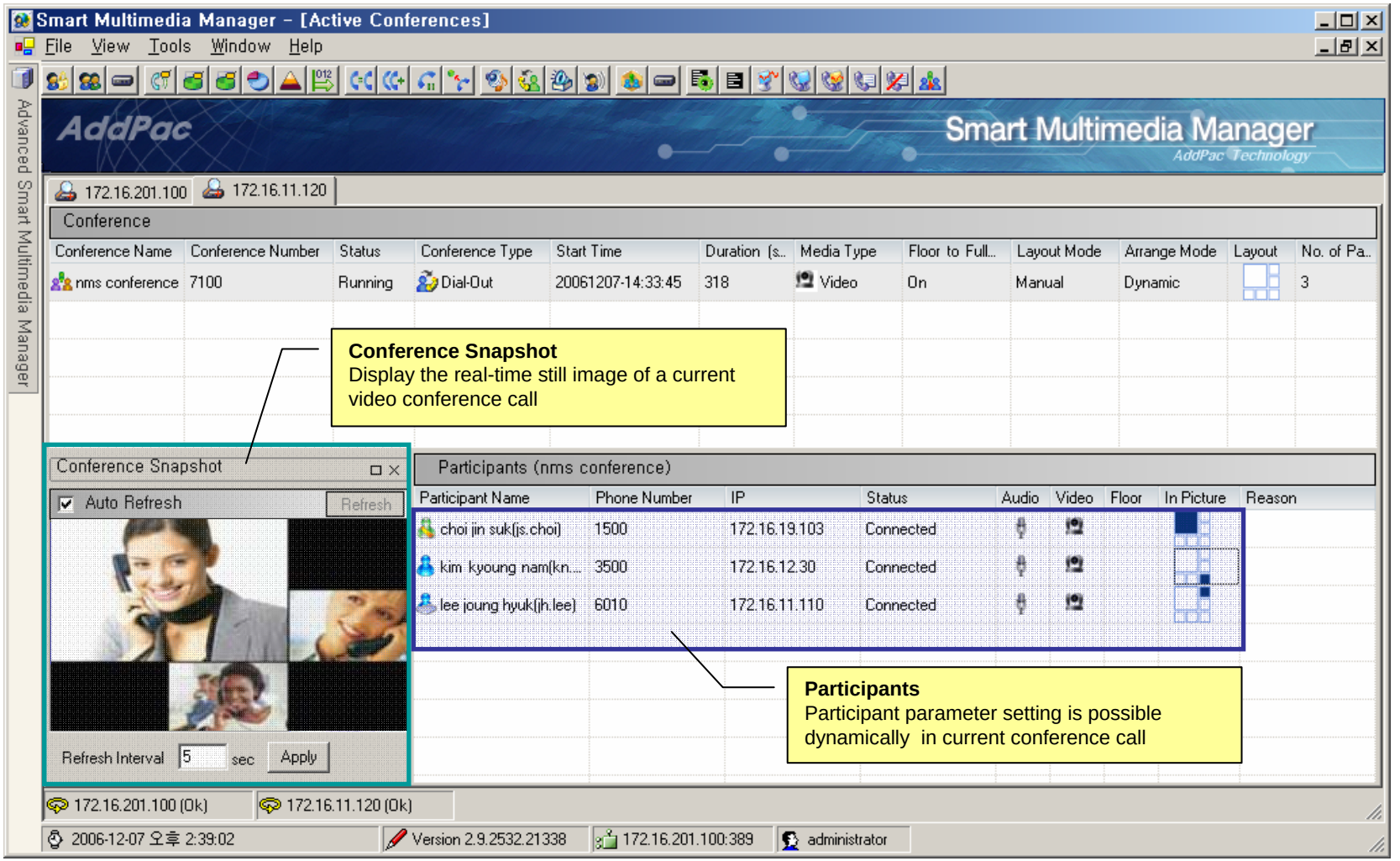
Active Conference (1)



Active Conference (2)



Active Conference (3)



OSD (Video Phone, Video Terminal, etc)

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

Conference Room

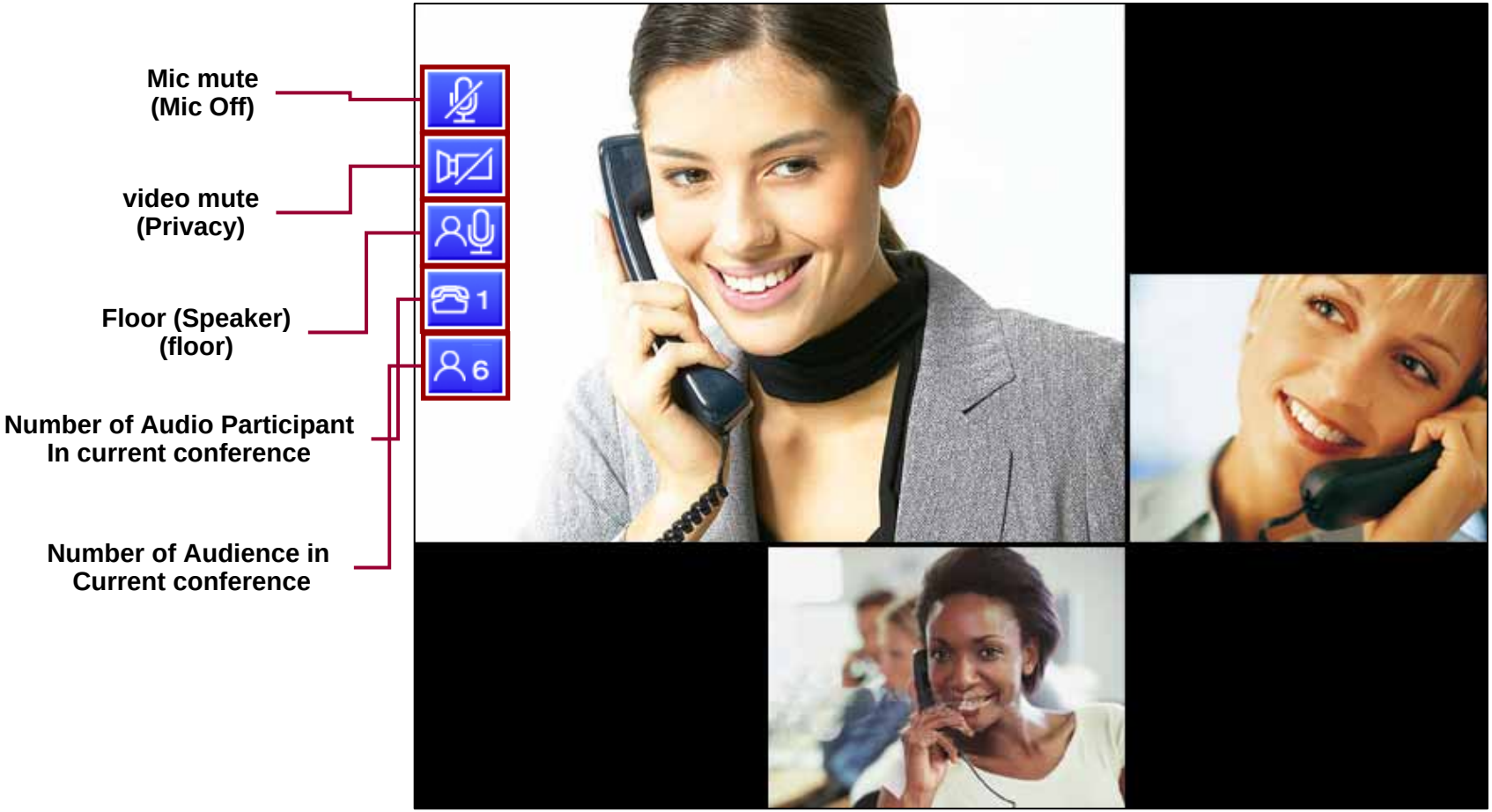
- Application >> Conference Room
  - conference list

Conference Open

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

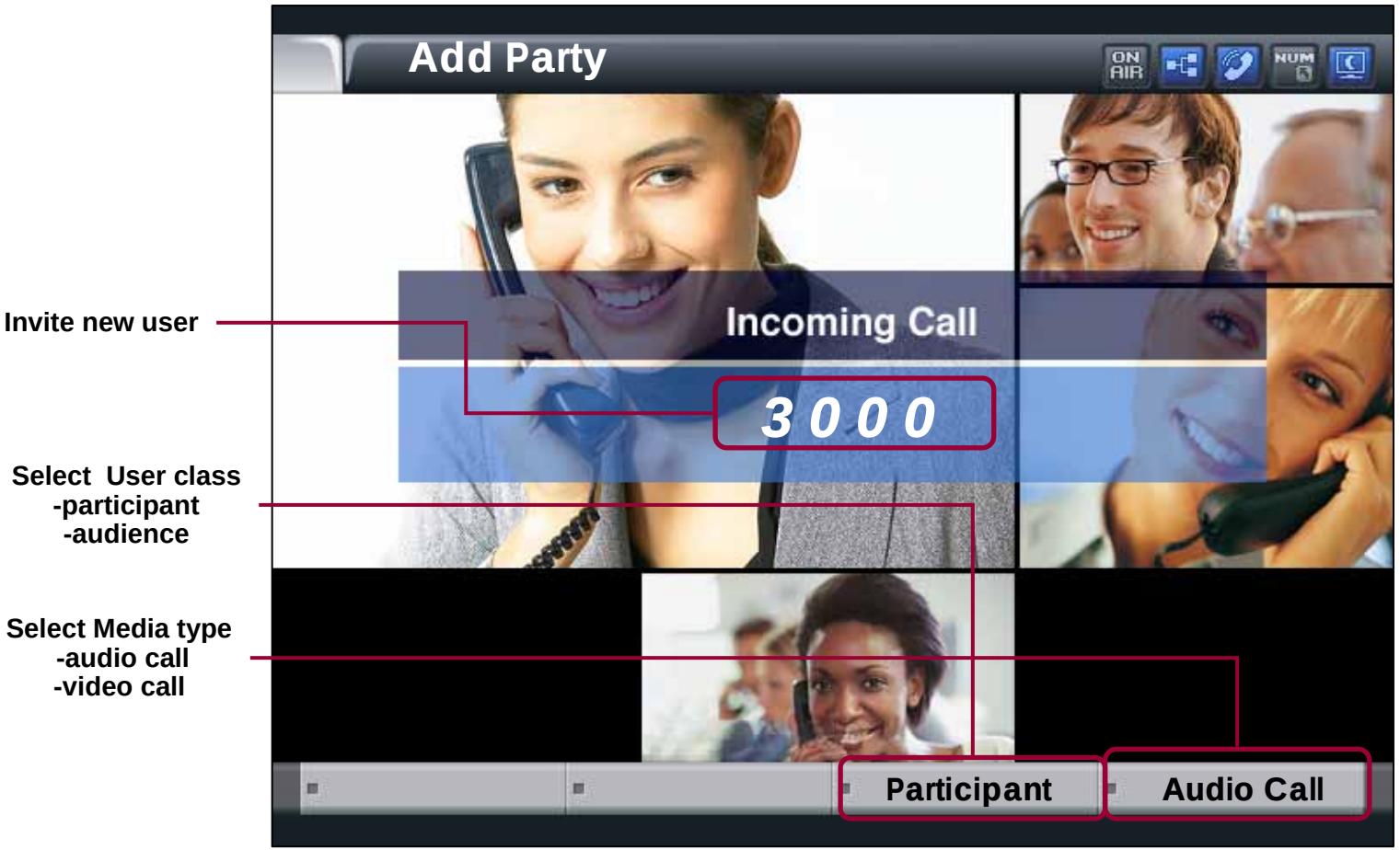
Indicators

- User conference status information
  (function key)



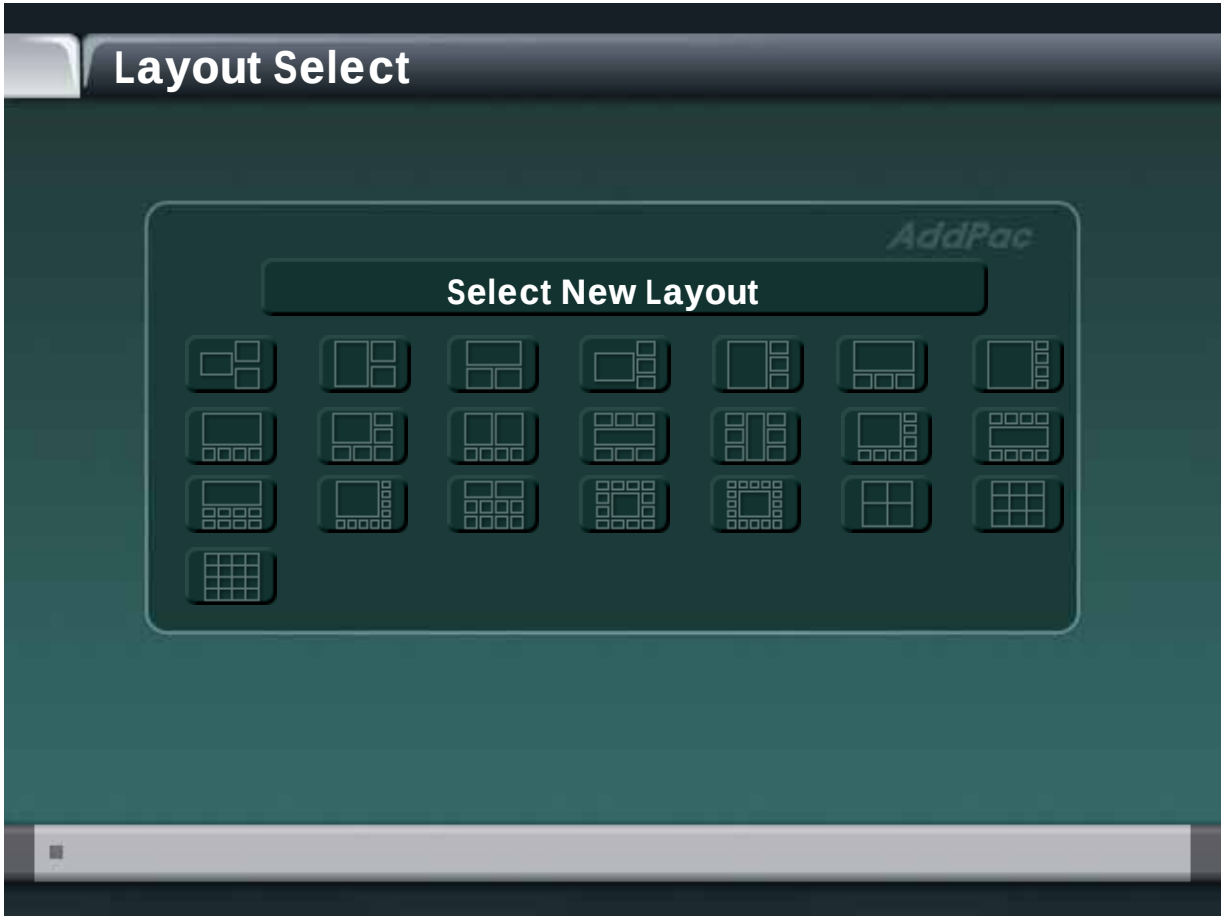
Add Party

- New User Invite in Current Conference



Layout

- Video Layout Change in current conference

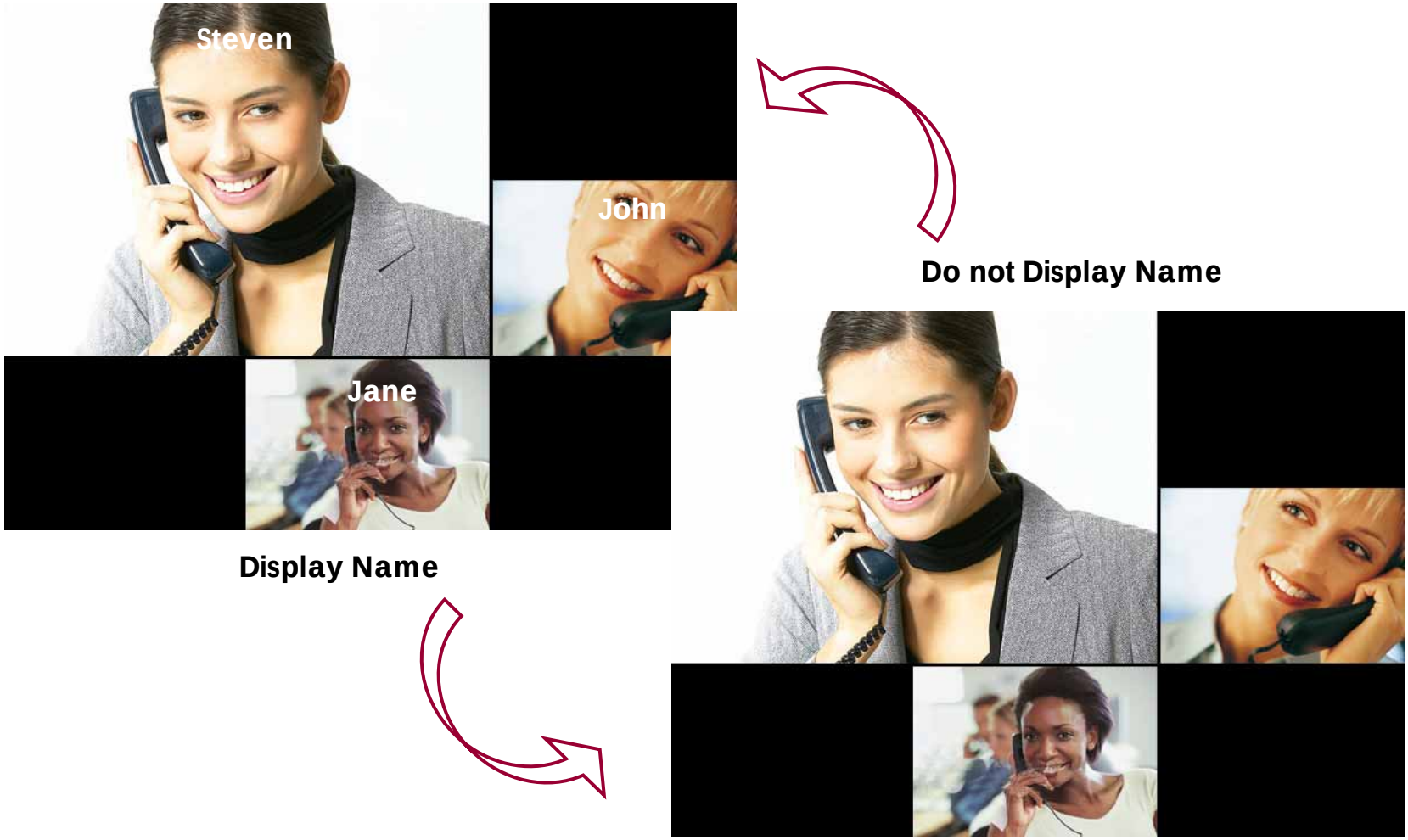


Floor To Full Screen

- Large view display mode : Floor Participant

Display Name

- Conference Participant Name Display Enable/Disable



Accept

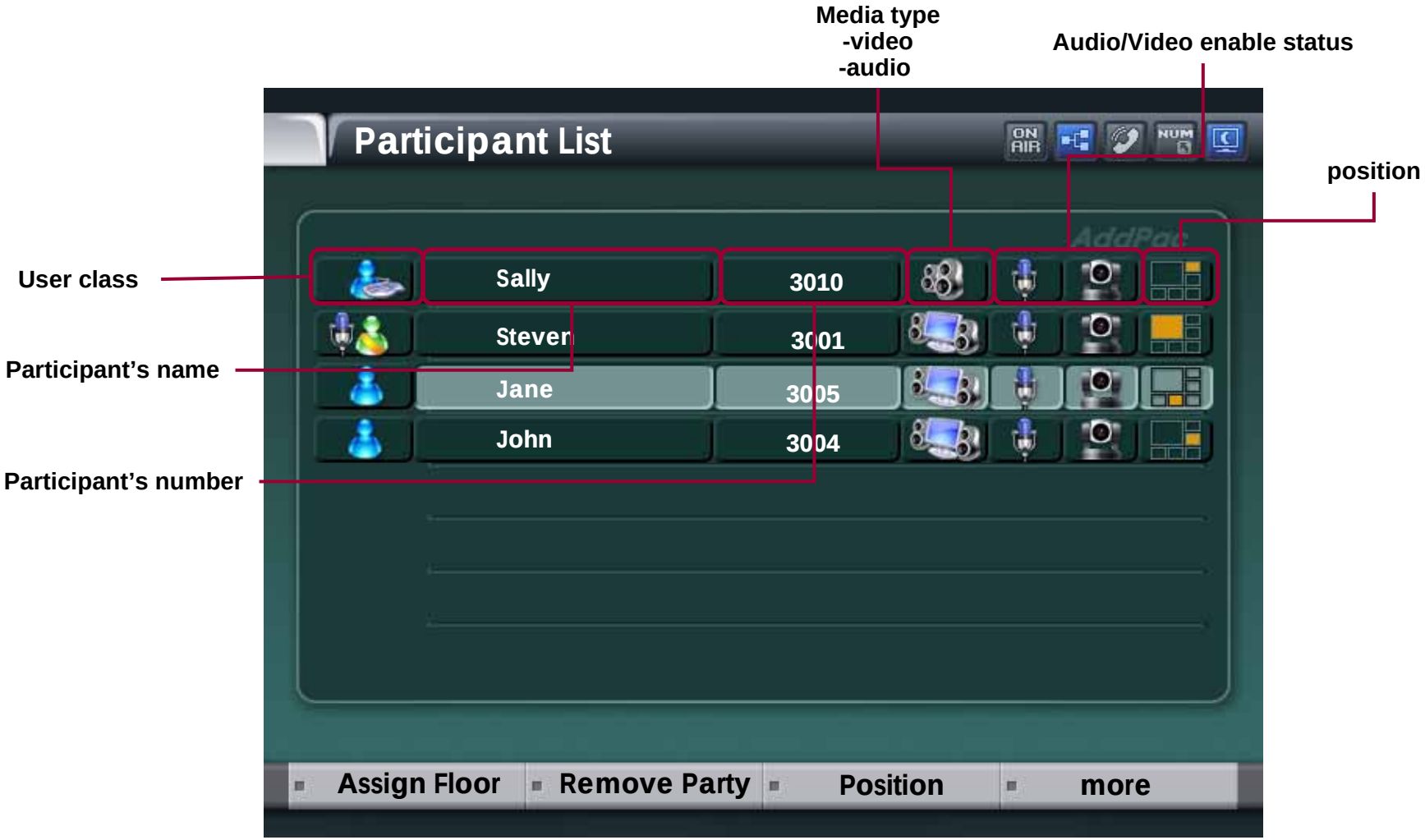
- User unregistered want to join the conference
  - User can join the conference by Chair or Operator's Permission,

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

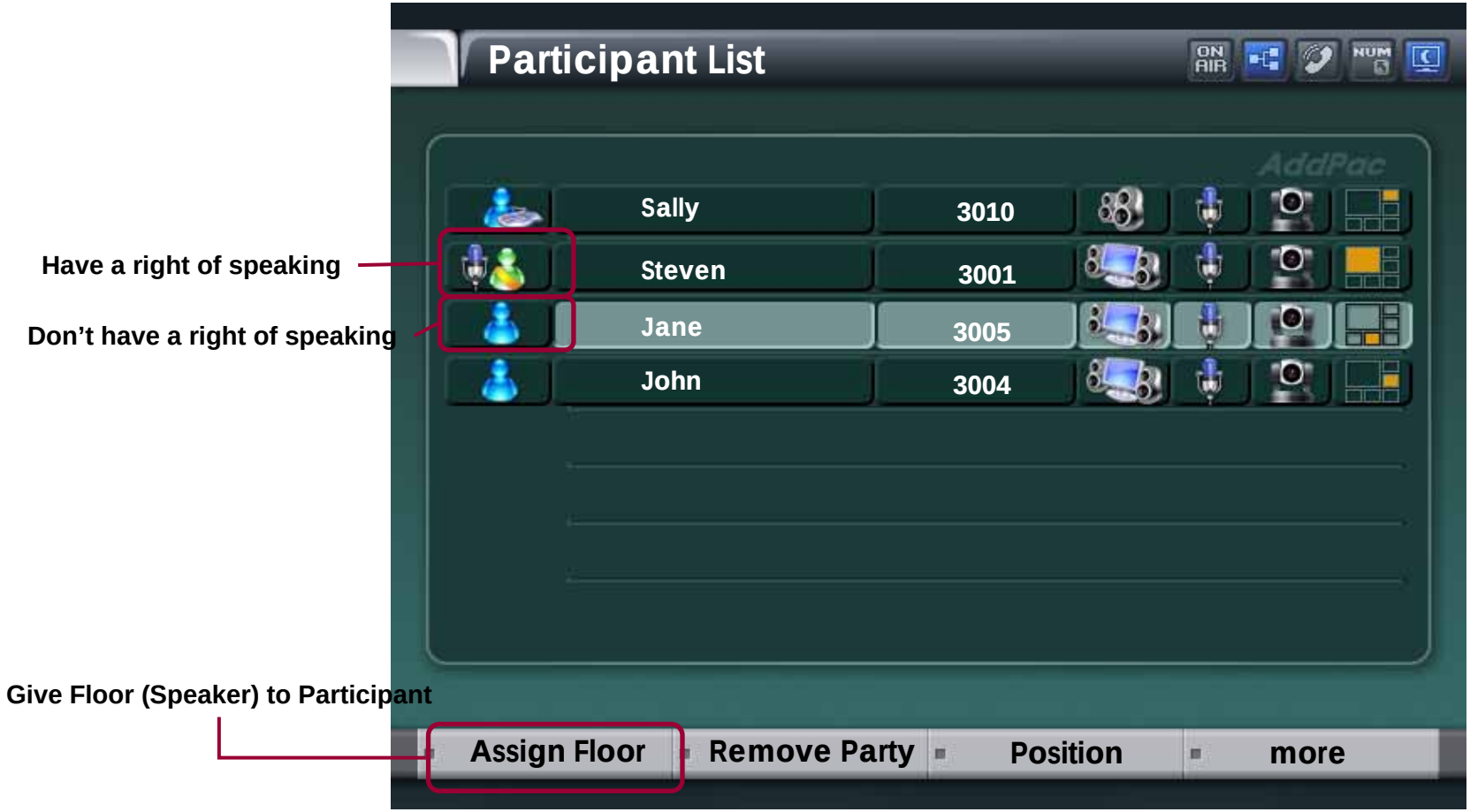
Detail participant list

- Can view the status information of member In conference



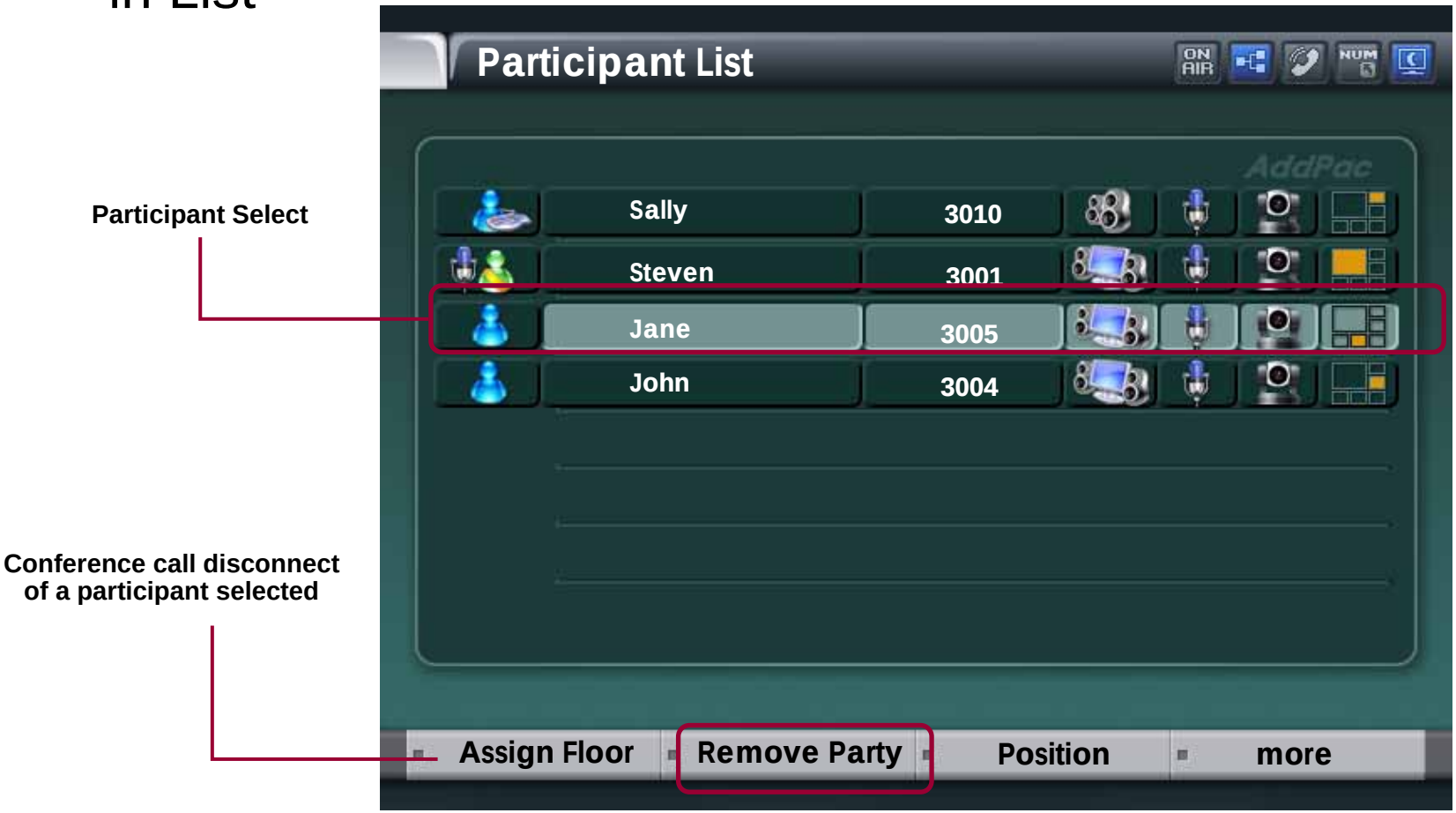
Assign floor

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



Remove Party

- Conference Call Disconnect of a Participant selected in List

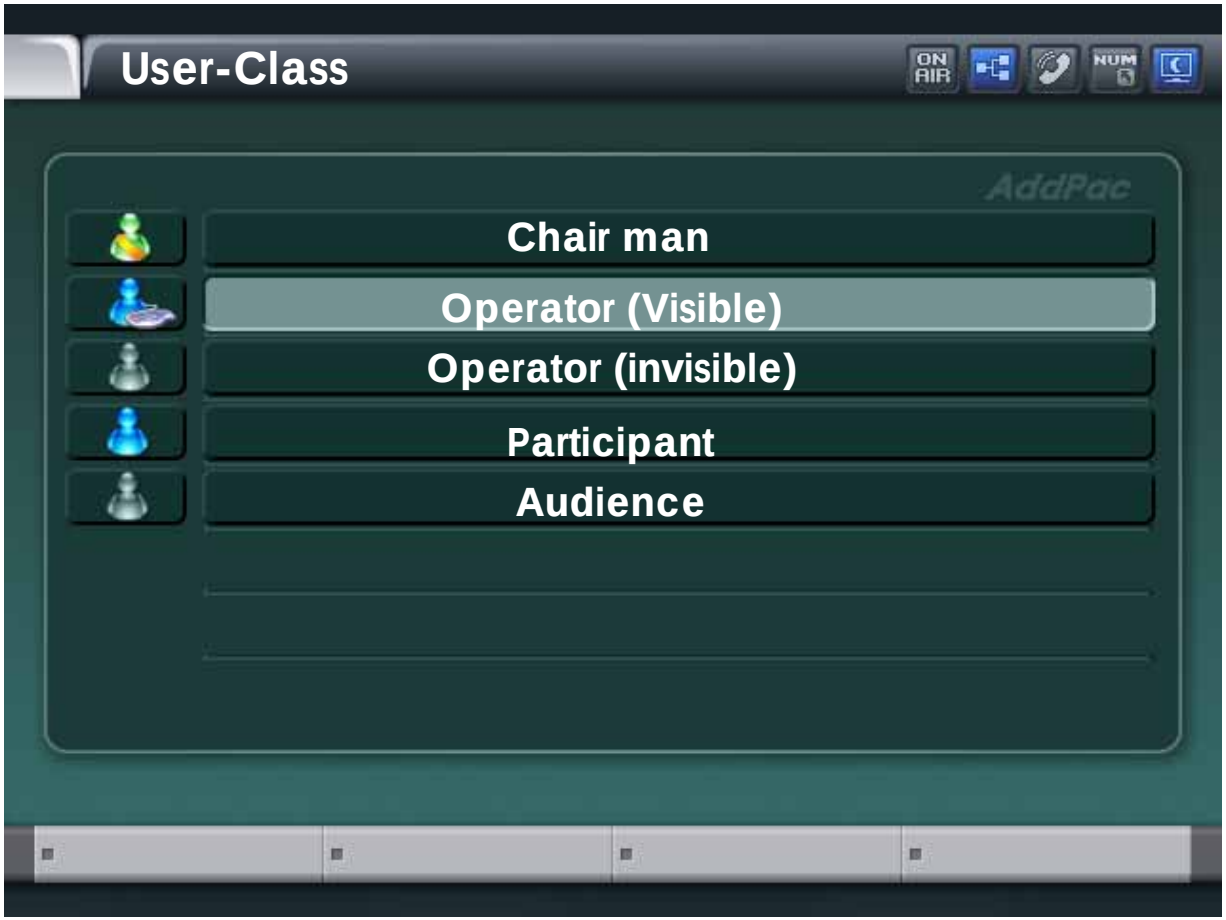


Position

- 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

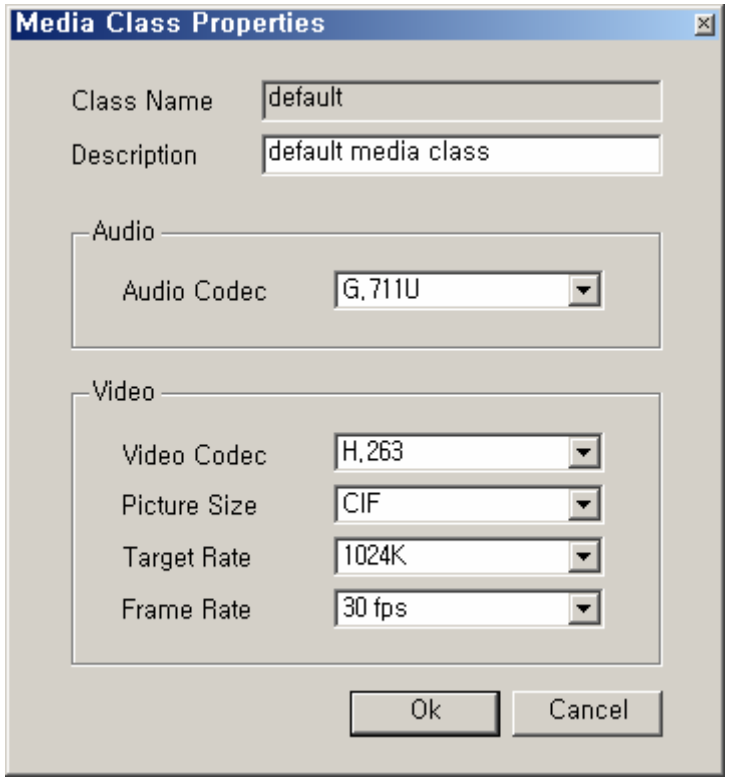


Audio/Video Mute

- audio, video mute enable/disable

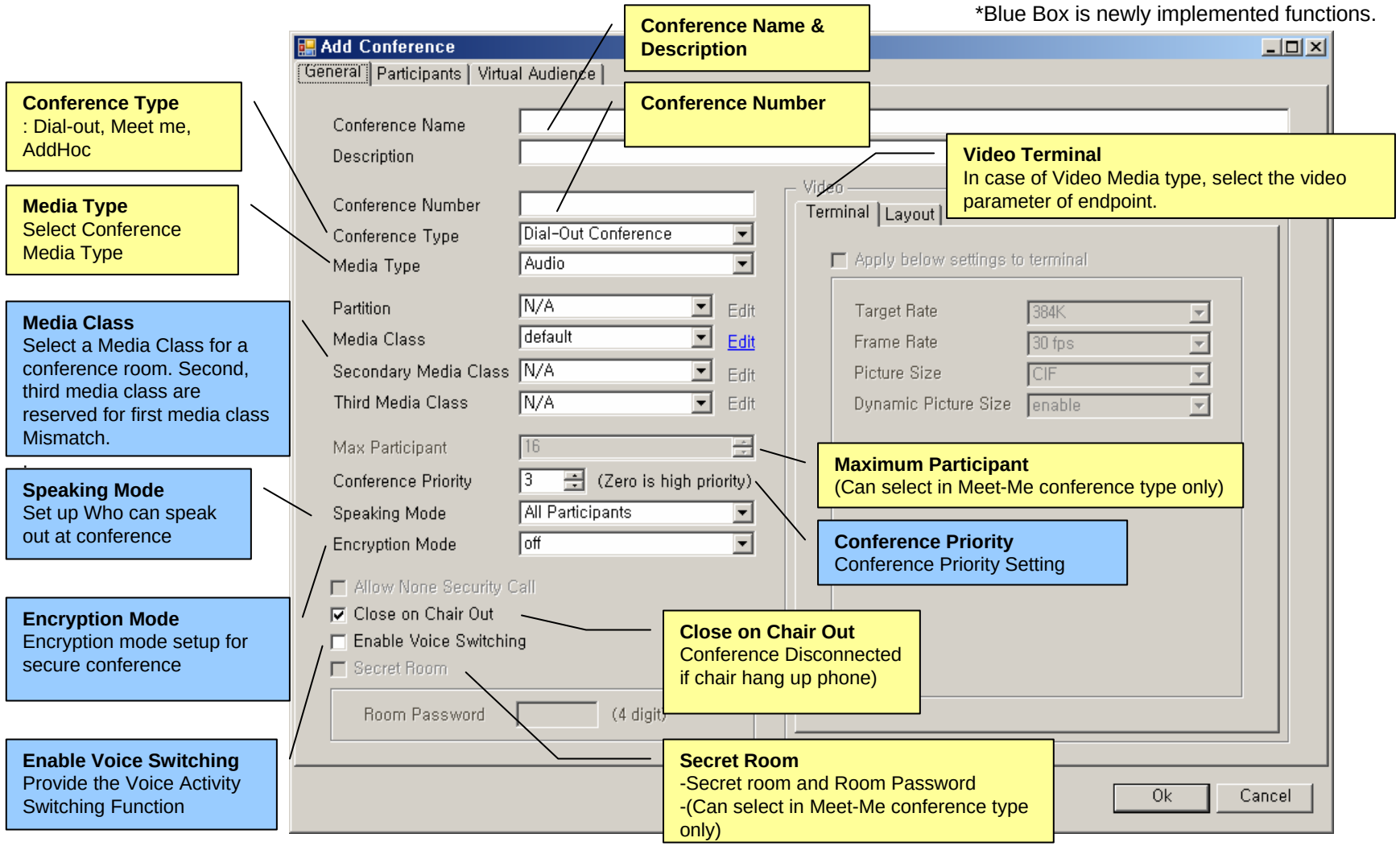
Media Class (New)

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



Conference Room

*Blue Box is newly implemented functions.



Conference Name & Description

Conference Number

Conference Type
: Dial-out, Meet me, AddHoc

Media Type
Select Conference Media Type

Video Terminal
In case of Video Media type, select the video parameter of endpoint.

Media Class
Select a Media Class for a conference room. Second, third media class are reserved for first media class Mismatch.

Maximum Participant
(Can select in Meet-Me conference type only)

Speaking Mode
Set up Who can speak out at conference

Conference Priority
Conference Priority Setting

Encryption Mode
Encryption mode setup for secure conference

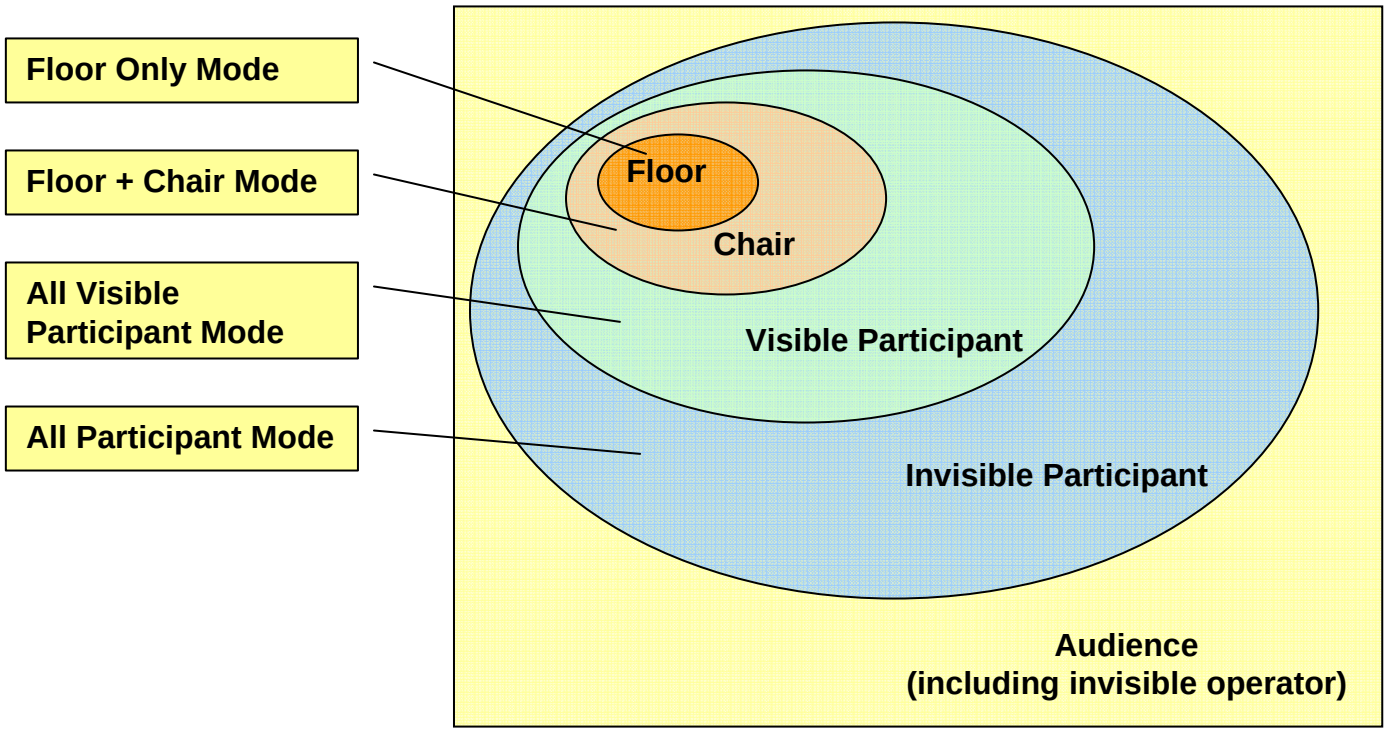
Close on Chair Out
Conference Disconnected if chair hang up phone)

Enable Voice Switching
Provide the Voice Activity Switching Function

Secret Room
-Secret room and Room Password
-(Can select in Meet-Me conference type only)

Speaking Mode (New)

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

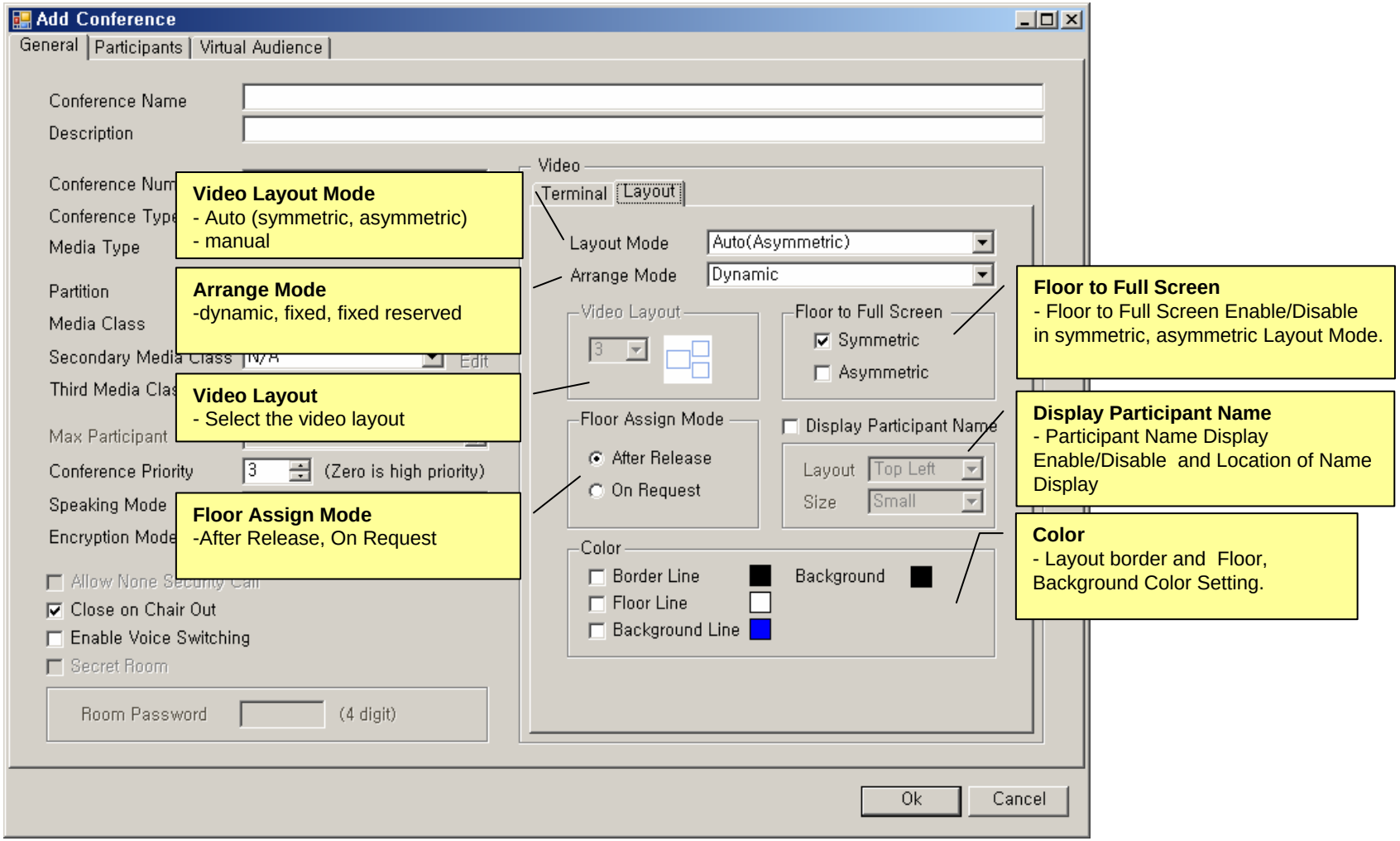


Voice Switching(New)

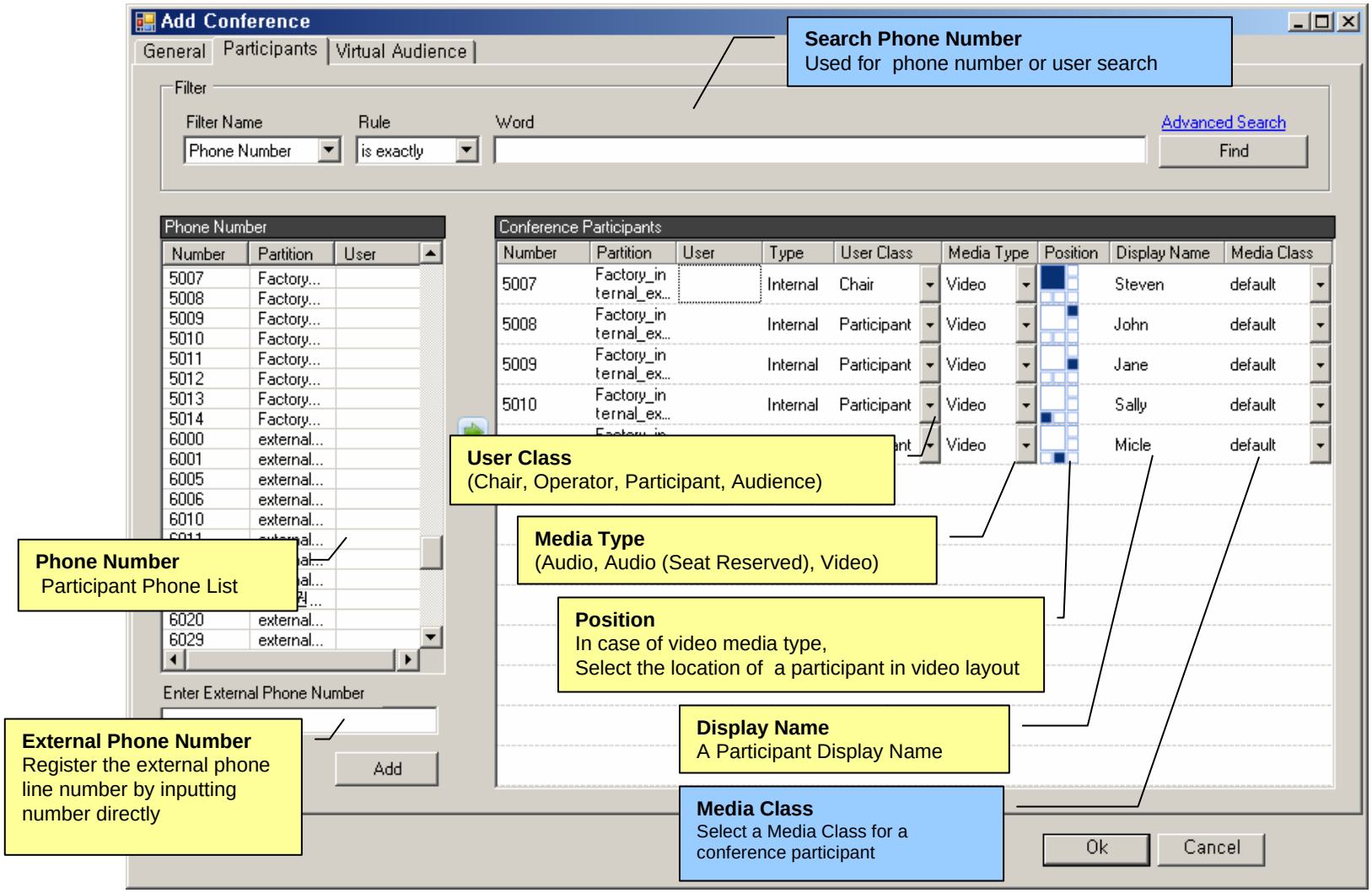
- Voice Switching
  - Voice Activity Switching or Voice Detect Switching
  - Detect the Voice Activity of participants during video conference, and dynamically change the MCU display layout mode to display a participant who is speaking out currently
  - If one participant obtains Floor, Voice Switching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

- Display Priority Control
  - Floor > Voice Switching > Chair

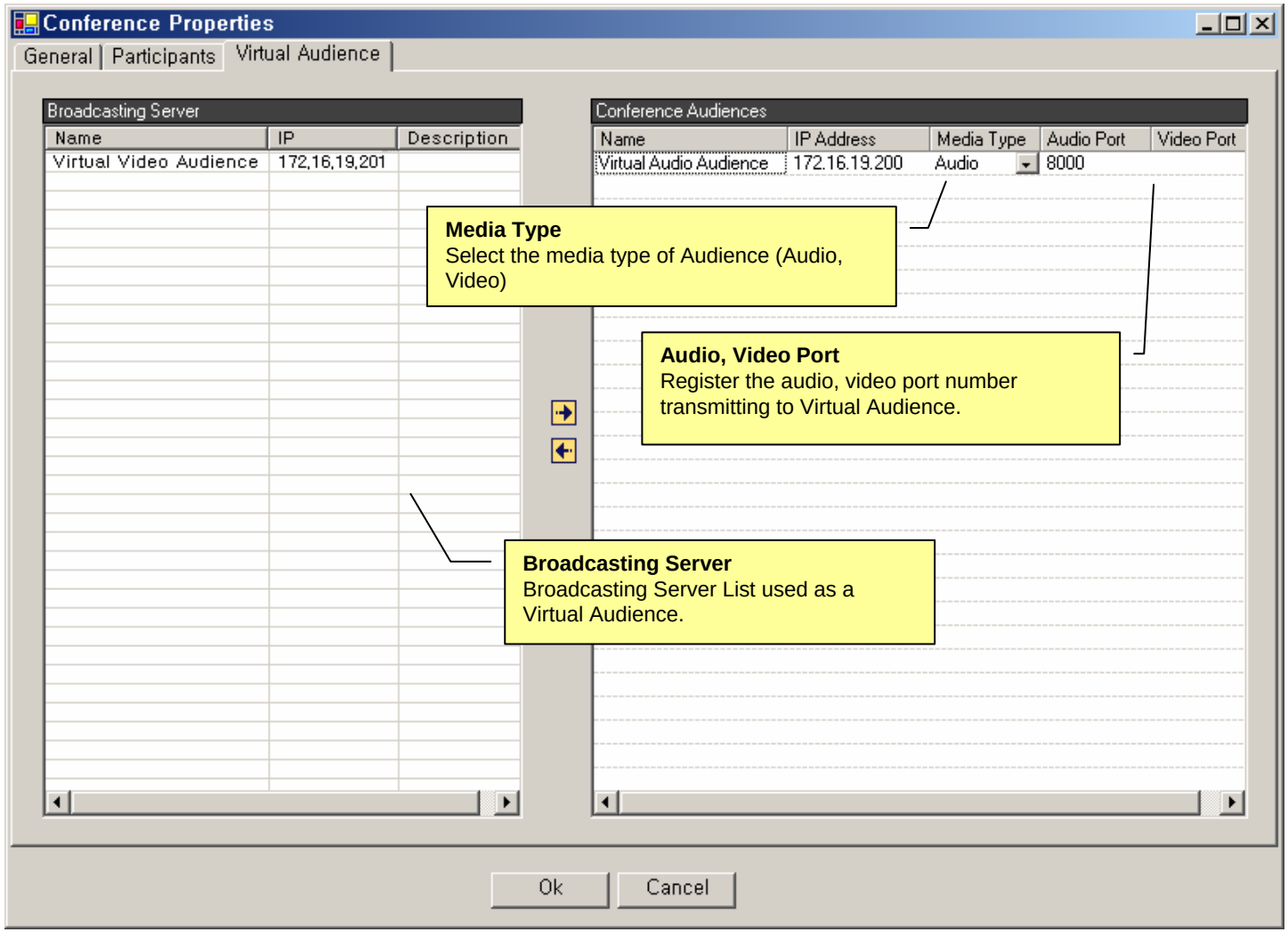
Conference Room - Layout



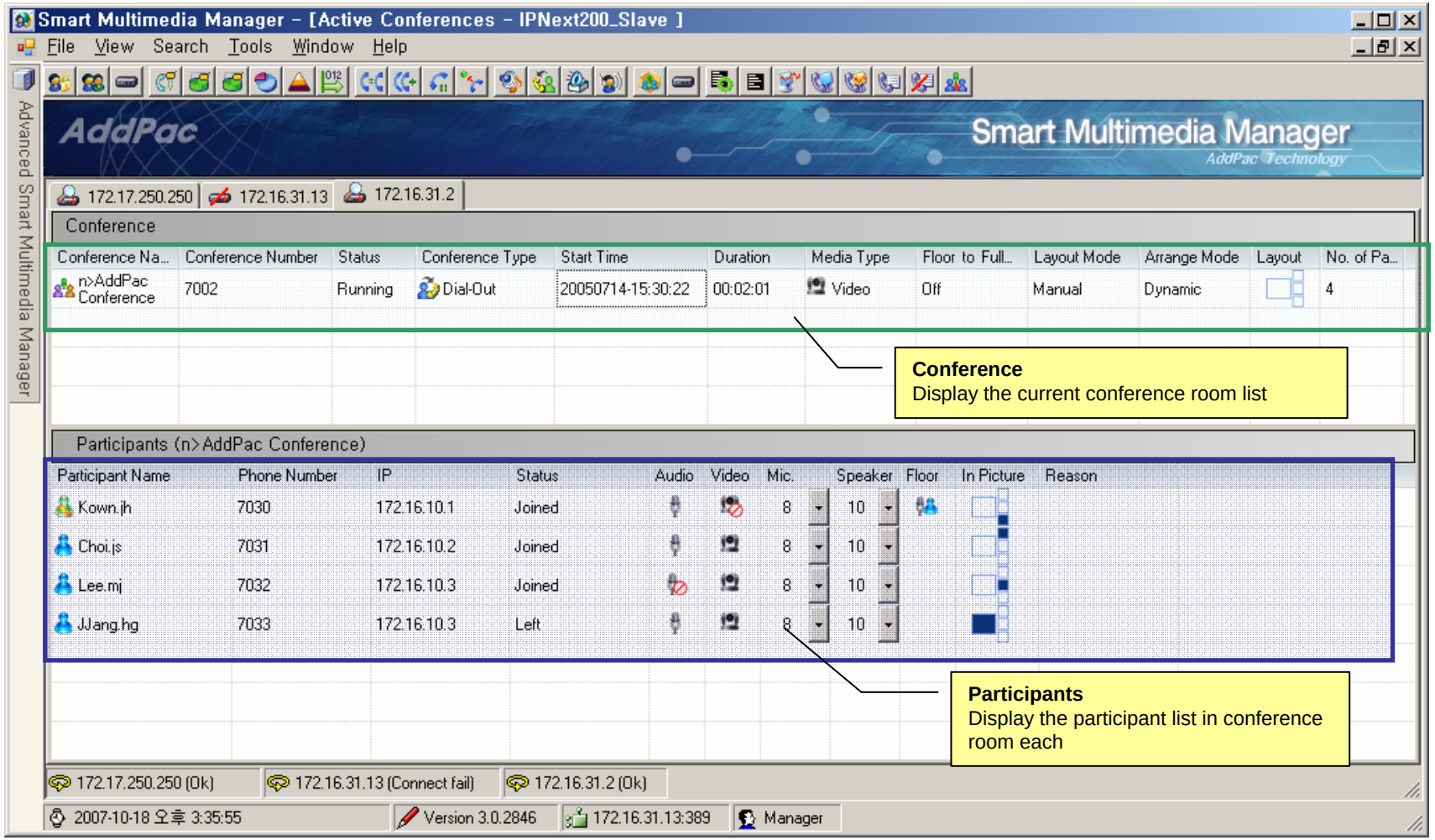
Conference Room - Participants



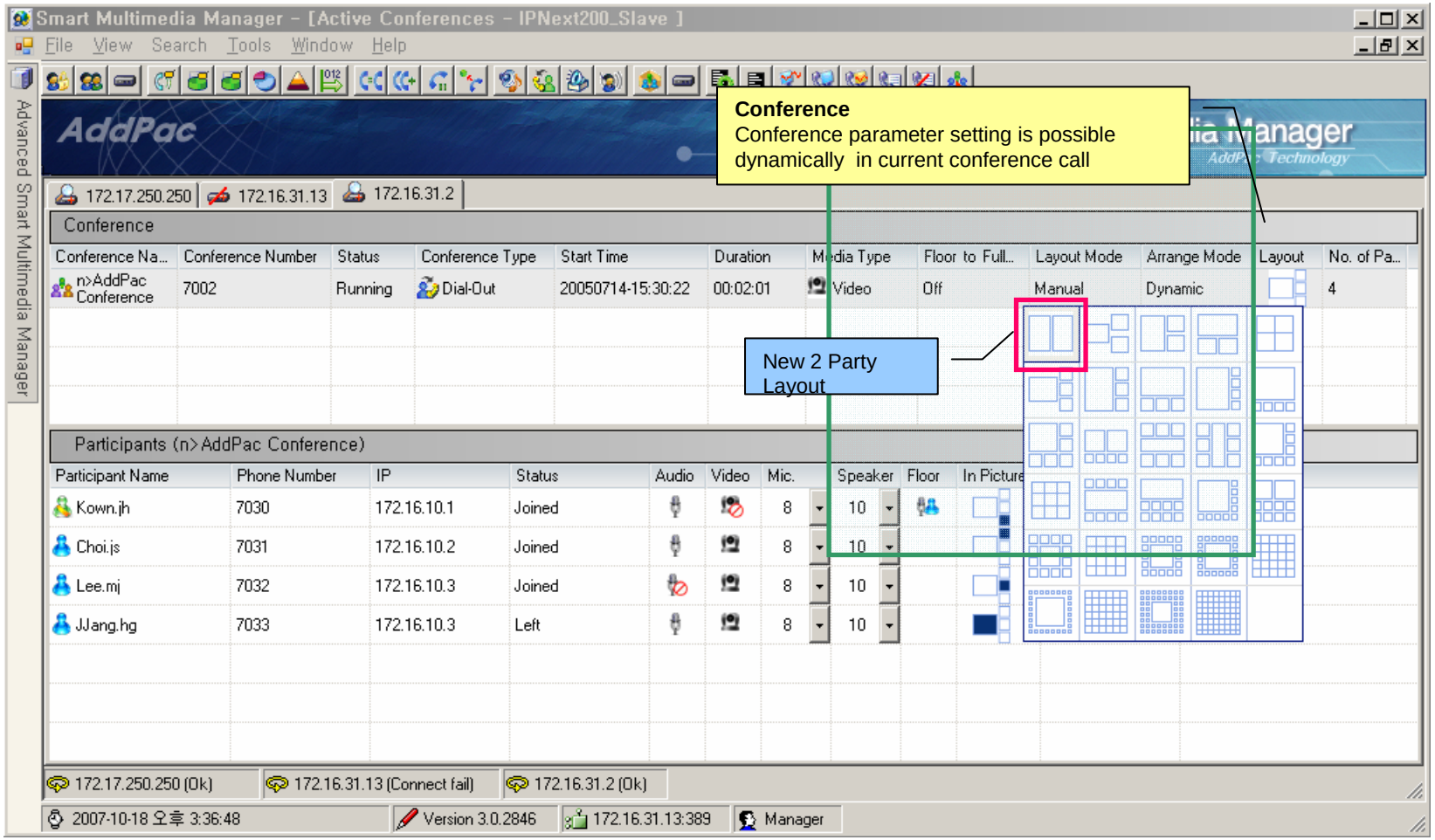
Conference Room – Virtual Audience



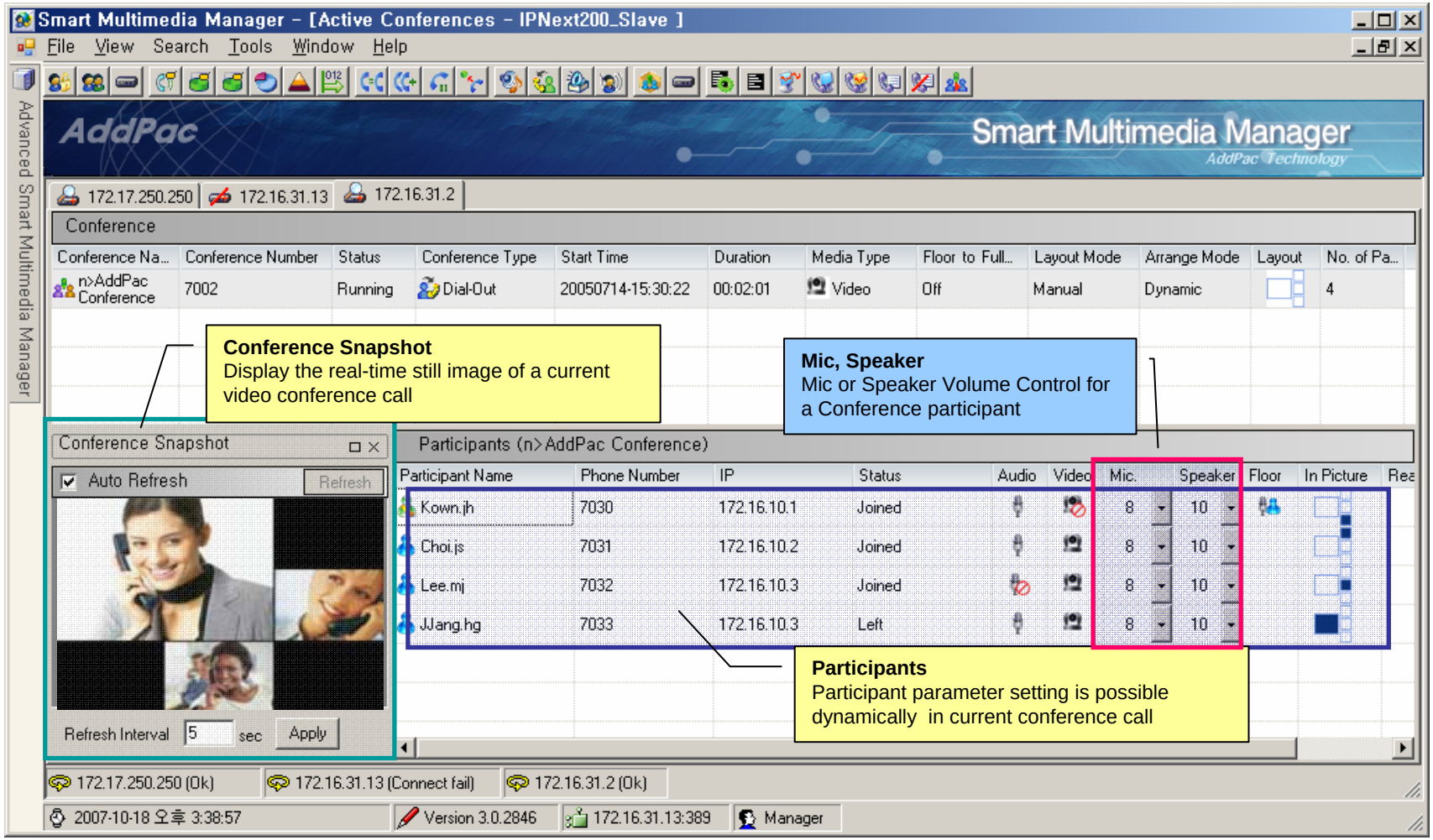
Active Conference (1)



Active Conference (2)

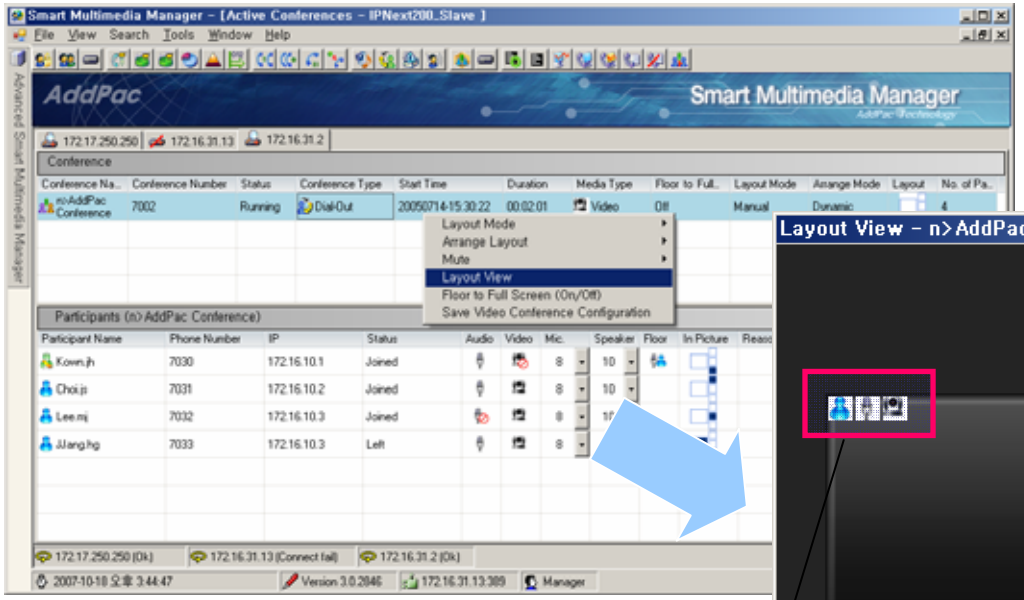


Active Conference (3)



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.

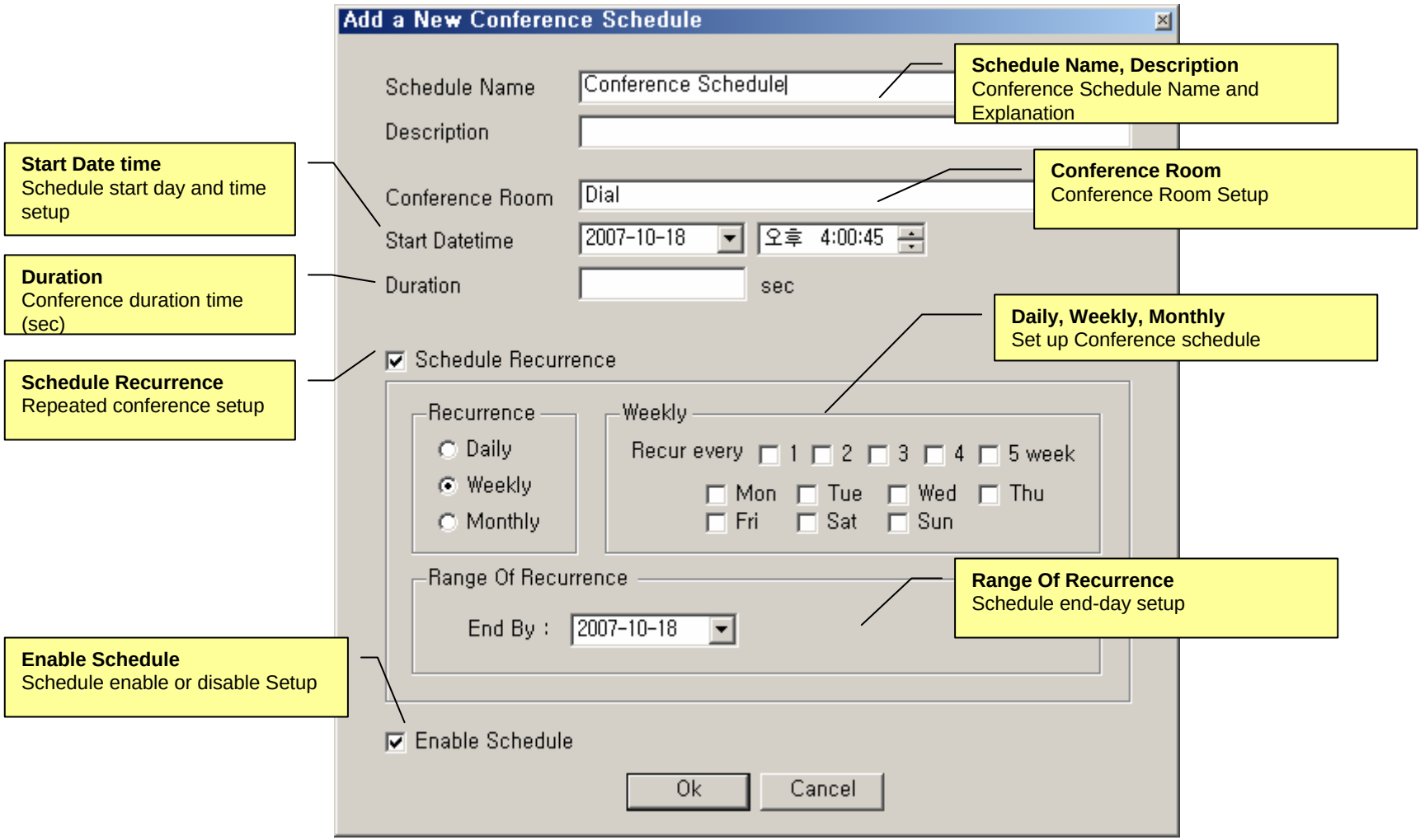
Indicator
User class configuration, audio/video on/off and configuration is possible

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



Thank you!

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