

Smart DVoiceR Manager

Preliminary Product Overview

(Without notice, following described technical spec. can be changed)

VoIP Gateways



AP-NR700 Voice Recording Server

AddPac

AddPac Technology

2007, Sales and Marketing

www.addpac.com

Contents

- Overview
- Smart Digital Voice Recorder Manager
- Smart File Manager for Secondary Backup



Overview

- Call History Management (search/modify/delete/Excel File save)
- Media Play Management (Play/Stop/Seek/Pause)
- Live Call Recording List Management
- Live Call Monitoring (Play)
- Local Backup (File Manager Support, PC HDD, DVD) and Local Play
- Event History Search
- User Management (registration/modify/delete/search)
- Server Status (CPU/Memory/HDD/Transcoding) & Event Monitoring
- Recording File Waveform Analyzing Function
- Recording Source Management (VoIP Gateway, IP Phone, etc)
- Live Call Recording Board (Recording Board Design, Live Call Status, Voice Monitoring)

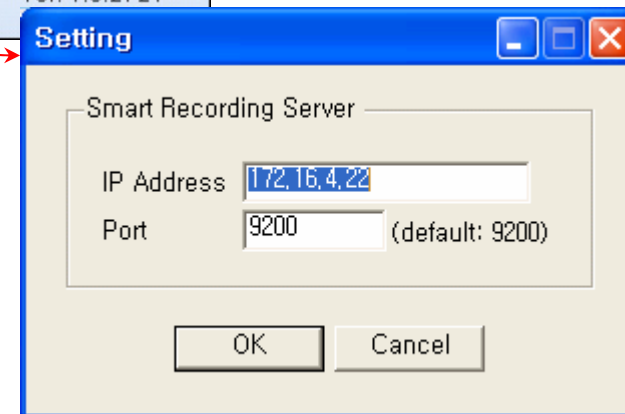
Login



The image shows the login interface for 'Smart DVoiceR Manager' by AddPac Technology. The interface includes a header with the logo and version 'Ver. 1.0.2721'. Below the header, there are two input fields: 'ID' with the value 'root' and 'Password' with masked characters '*****'. To the right of these fields are two buttons: 'Login' (with a lock icon) and 'Setting' (with a key icon). At the bottom left, there are two checkboxes: 'Auto login' (unchecked) and 'Save password' (checked). Red arrows point from the 'Auto login' checkbox to the text 'Auto Login Configuration' and from the 'Save password' checkbox to the text 'Password Save'.

Auto Login
Configuration

Password
Save



The 'Setting' dialog box is open, showing configuration for the 'Smart Recording Server'. It contains two input fields: 'IP Address' with the value '172.16.4.22' and 'Port' with the value '9200' (default: 9200). At the bottom of the dialog are 'OK' and 'Cancel' buttons.

User Management

The screenshot shows the Smart DVoiceR Manager application window. The main area displays the 'Users' management interface. Three red arrows point to specific icons: 'New Manager Registration' (a plus sign), 'Manager Information Modification' (an edit icon), and 'Manager Delete' (a trash can icon). The 'Users' table contains the following data:

No.	ID	Name	Description
1	Administrator	Administrator	Addpac Administrator
2	root	recording manager	Maintenance dept.

The interface also includes a sidebar with a tree view of the application's structure, a menu bar (File, Advanced, Configuration, Help), and a status bar at the bottom showing the date (2007-06-13), time (1:43:49), version (Ver. 1.0.2719), and IP address (172.16.31.14:9200).

Recording Server Status Monitoring

Smart DVoiceR Manager

File Advanced Configuration Help

Smart DVoiceR Manager

- Smart DVoiceR Manager
 - User Management
 - Users
 - Device Management
 - Smart Recording Server
 - Smart Recording Terminal
 - Recording Management
 - Record Search
 - Record Session
 - Event & Monitoring
 - Event Configuration
 - Event Monitoring
 - System Monitoring
 - Event History
 - Recording Board
 - Board Users
 - Board Groups
 - Map List

Smart Recording Server Status

172.16.31
Smart Re

Configuration Client Session List

Max Session : 10

Keep Alive Interval : 15 sec

OK

Smart Recording Server Status

172.16.31,14:9200
Smart Recording Server is running.

Configuration Client Session List

No.	User	IP Address	Port	Access Time	Duration
1	root	172.16.1.31	4417	2007-06-13 13:40:05	00:04:49

Client List

OK Cancel

2007-06-13 오후 1:46:20 Ver. 1.0.2719 172.16.31,14:9200 root

Recording File Management

(Recorded File Monitoring (play/seek/pause/resume/stop))

The screenshot displays the Smart DVoiceR Manager software interface. The main window shows a 'Record Search' table with columns for No., Call ID, Source IP, Rec StartTime, Rec EndTime, Rec Duration, Call Duration, Calling Num, Calli..., Calling..., Called Num, Calle..., and Called S... The table contains 19 rows of recorded call data. A 'Search Filter' dialog box is open in the foreground, showing search criteria for 'Calling Number' (2000) and 'Called Number' (3000). A playback control window is also visible, showing 'AddPac calling-3004/called-5020' with a progress bar and a 'Memo Save' button. The interface includes a menu bar (File, Advanced, Configuration, Help) and a toolbar with various icons. The status bar at the bottom shows the date and time (2007-06-13 오후 3:25:07), version (Ver. 1.0.2720), and IP address (172.16.4.22:9200).

No.	Call ID	Source IP	Rec StartTime	Rec EndTime	Rec Duration	Call Duration	Calling Num	Calli...	Calling...	Called Num	Calle...	Called S...
1	39500	172.17.213.100	2007-06-13 13:12:15	2007-06-13 13:12:43	00:00:28	00:00:28	3000		4/0/0	5016		4/0/0
2	39502	172.17.213.100	2007-06-13 13:12:15	2007-06-13 13:12:43	00:00:28	00:00:28	3001		4/1/0	5017		4/1/0
3	39504	172.17.213.100	2007-06-13 13:12:15	2007-06-13 13:12:43	00:00:28	00:00:28	3002		4/2/0	5018		4/2/0
4	39506	172.17.213.100	2007-06-13 13:12:15	2007-06-13 13:12:43	00:00:28	00:00:28	3003		4/3/0	5019		4/3/0
5	39508	172.17.213.100	2007-06-13 13:12:15	2007-06-13 13:12:44	00:00:28	00:00:28	3004		5/0/0	5020		5/0/0
6	39510	172.17.213.100	2007-06-13 13:12:16	2007-06-13 13:12:44	00:00:28	00:00:28	3005		5/1/0	5021		5/1/0
7	39512	172.17.213.100	2007-06-13 13:12:16	2007-06-13 13:12:45	00:00:29	00:00:28	3006		5/2/0	5022		5/2/0
8	39514	172.17.213.100	2007-06-13 13:12:16	2007-06-13 13:12:45	00:00:29	00:00:28	3007		5/3/0	5023		5/3/0
9	39516	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
10	39518	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
11	39520	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
12	39522	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
13	39524	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
14	39526	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
15	39528	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
16	39529	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
17	39498	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
18	39499	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0
19	39501	172.17.213.100	2007-06-13 13:12:17	2007-06-13 13:12:45	00:00:28	00:00:28	3007		5/3/0	5023		5/3/0

Recording File List Save (Excel File Format)

The screenshot shows the Smart DVoiceR Manager interface. The 'Record Search' window displays a table of recording data. A dialog box indicates that records are being exported to an Excel file. The 'Save As' dialog shows the file is named 'Records.xls' and saved in 'Excel Files' format. The Excel window shows the following data:

Call ID	Source IP	Record Start Time	Record End Time	Record	Call Dur	Calling	Called	Called	Called	File Name	File Size	Audio C	Me
63292	172.16.9.60	2007-06-12 9:44:59	2007-06-12 9:46:34	00:01:35	0:01:35	1015	3/3/0	6015	3/3/0	63292007819K	6711U		
63293	172.16.9.60	2007-06-12 9:46:38	2007-06-12 10:10:38	00:22:49	0:01:34	1015	3/3/0	6015	3/3/0	63292007817K	6711U		
63295	172.16.9.60	2007-06-12 9:52	2007-06-12 9:56	0:04:33	0:04:33	1015	3/3/0	6015	3/3/0	632920072381K	6711U		
63299	172.16.9.60	2007-06-12 9:57	2007-06-12 10:10	0:13:28	0:24:03	1015	3/3/0	6015	3/3/0	632920072381K	6711U		
63299	172.16.9.60	2007-06-12 9:57	2007-06-12 10:10	0:13:28	0:24:03	1015	3/3/0	6015	3/3/0	632920076966K	6711U		
63299	172.16.9.60	2007-06-12 9:46	2007-06-12 9:51	0:04:46	0:24:03	1015	3/3/0	6015	3/3/0	632920076966K	6711U		
63299	172.16.9.60	2007-06-12 9:46	2007-06-12 9:51	0:04:46	0:24:03	1015	3/3/0	6015	3/3/0	632920072408K	6711U		
63295	172.16.9.60	2007-06-12 10:11	2007-06-12 10:14	0:03:06	0:03:08	1015	3/3/0	6015	3/3/0	632920072408K	6711U		
63295	172.16.9.60	2007-06-12 10:11	2007-06-12 10:14	0:03:06	0:03:08	1015	3/3/0	6015	3/3/0	632920071606K	6711U		
64171	172.16.9.60	2007-06-12 13:22	2007-06-12 13:34	0:11:39	0:11:40	1015	3/3/0	6015	3/3/0	641720071606K	6711U		
64173	172.16.9.60	2007-06-12 13:22	2007-06-12 13:41	0:11:39	0:11:40	1015	3/3/0	6015	3/3/0	641720071606K	6711U		
64173	172.16.9.60	2007-06-12 13:34	2007-06-12 13:36	0:02:19	0:02:19	1015	3/3/0	6015	3/3/0	641720071199K	6711U		
64173	172.16.9.60	2007-06-12 13:34	2007-06-12 13:36	0:02:19	0:02:19	1015	3/3/0	6015	3/3/0	641720071199K	6711U		
64175	172.16.9.60	2007-06-12 13:40	2007-06-12 13:41	0:01:26	0:01:26	1015	3/3/0	6015	3/3/0	64172007749K	6711U		
64176	172.16.9.60	2007-06-12 13:50	2007-06-12 13:52	0:01:33	0:01:33	1015	3/3/0	6015	3/3/0	641720076029K	6711U		
64176	172.16.9.60	2007-06-12 13:50	2007-06-12 13:52	0:01:33	0:01:33	1015	3/3/0	6015	3/3/0	64172007804K	6711U		
64176	172.16.9.60	2007-06-12 13:50	2007-06-12 13:52	0:01:33	0:01:33	1015	3/3/0	6015	3/3/0	64172007803K	6711U		
64177	172.16.9.60	2007-06-12 14:04	2007-06-12 14:04	0:00:16	0:00:16	1015	3/3/0	6015	3/3/0	64172007142K	6711U		
64181	172.16.9.60	2007-06-12 14:04	2007-06-12 14:04	0:00:16	0:00:16	1015	3/3/0	6015	3/3/0	64172007141K	6711U		
64181	172.16.9.60	2007-06-12 14:05	2007-06-12 14:33	0:28:22	0:28:23	1015	3/3/0	6015	3/3/0	64181200714661K	6711U		
64181	172.16.9.60	2007-06-12 14:05	2007-06-12 14:33	0:28:22	0:28:23	1015	3/3/0	6015	3/3/0	64181200714662K	6711U		

Recording File Waveform Analyzer



Recording File Waveform Analyzer

(Repeated Play)



Recording File Waveform Analyzer

(Bookmark Play)

The screenshot displays the 'Voice WaveForm Analyzer' interface. It features two waveform tracks: the top one is yellow and labeled 'Calling Enable/Disable', and the bottom one is green and labeled 'Called Enable/Disable'. A 'Bookmark' is marked on the green waveform at approximately 00:01:05. A 'Bookmark List' dialog box is open, showing a table with one entry: 'my bookmark no1' at '00:01:05'. The dialog has buttons for 'Modify', 'Bookmark Set', 'Bookmark Delete', and 'Play at Bookmark Position'. A context menu is also visible over the playback controls, with options for 'Play From Here', 'Set Bookmark', and 'Bookmark List'. The playback controls at the bottom include buttons for play, pause, stop, and various zoom functions, along with a 'Repeat Selection' button and a 'Duration' display showing '00:00:00 / 00:03:06'.

No.	Name	Time
1	my bookmark no1	00:01:05

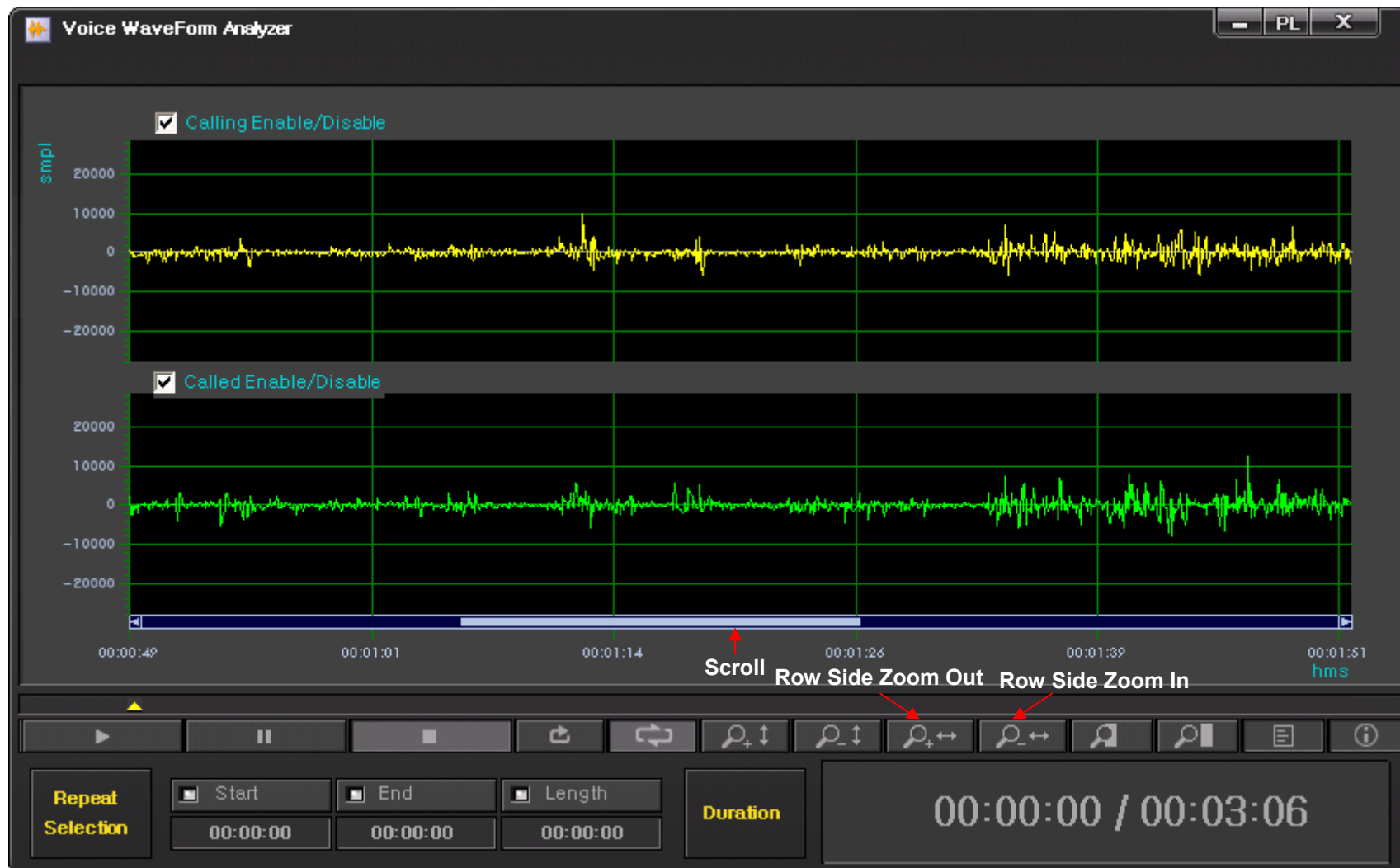
Recording File Waveform Analyzer

(Column Side Zooming)



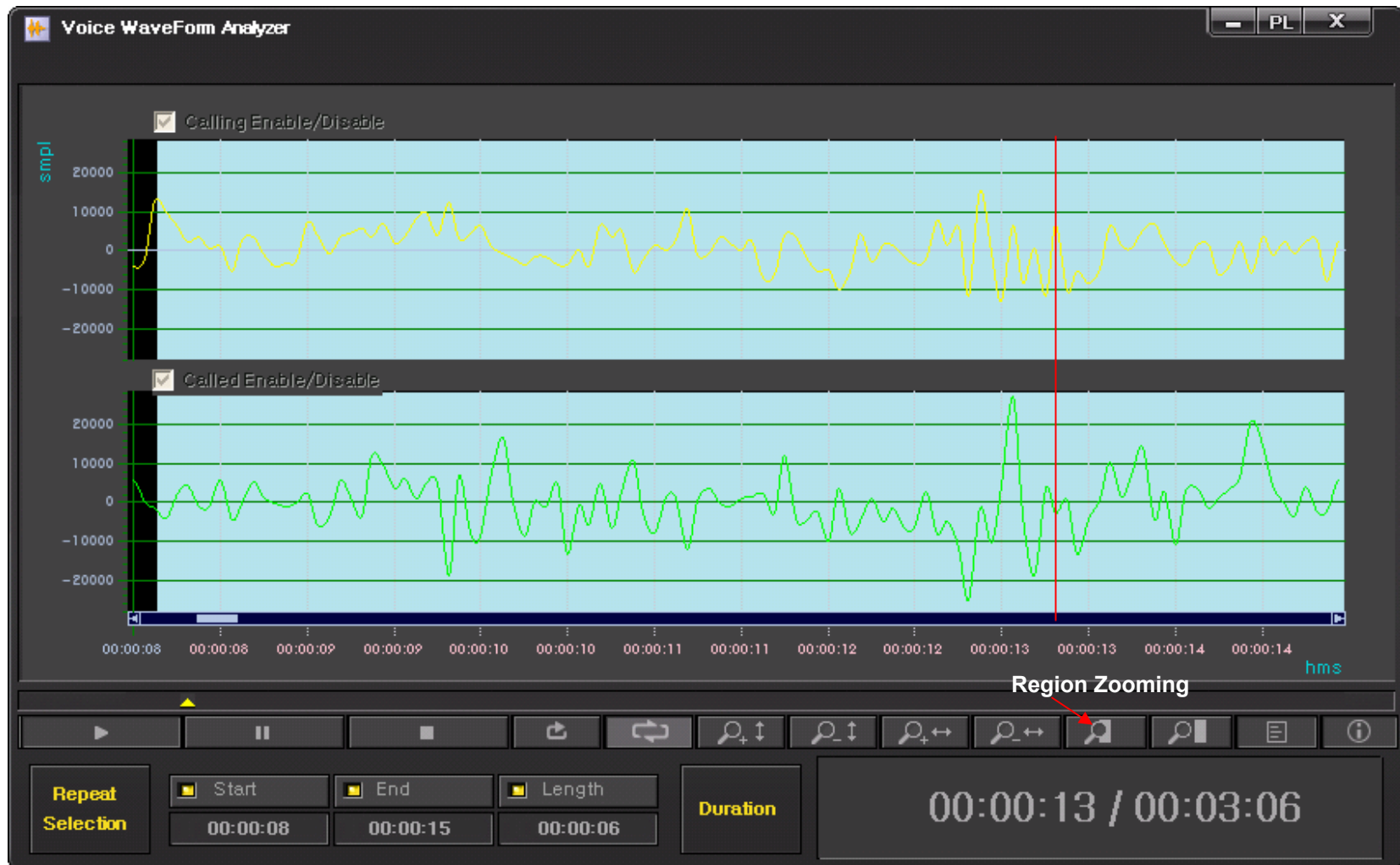
Recording File Waveform Analyzer

(Row Side Zooming)



Recording File Waveform Analyzer

(Region Zooming)



Recording File Waveform Analyzer

(Call Info. Display)

The screenshot displays the 'Voice WaveForm Analyzer' application window. The main interface features two waveform plots: a top plot with a yellow waveform and a bottom plot with a green waveform. A central 'Record Information' dialog box is open, displaying the following data:

Record Information	
Start Time	2007-06-12 10:11:28
End Time	2007-06-12 10:14:34
Record Duration	00:03:06
Record Memo	<input type="text"/>

Call Information	
Initiated Time	2007-06-12 10:13:15
Established Time	2007-06-12 10:13:16
Disconnected Time	2007-06-12 10:16:24
Call Duration	00:03:08

Calling Party	
Number	1015
User	
Codec	G711U
Directory	/mnt/hda1/callrecfiles
FileSize	1606k

Called Party	
Number	6015
User	
Codec	G711U
Directory	/mnt/hda1/callrecfiles
FileSize	1606k

At the bottom of the interface, there is a control bar with playback buttons (play, pause, stop, etc.) and a 'Repeat Selection' section with 'Start', 'End', and 'Length' fields. A 'Duration' field shows '00:00:11 / 00:03:06'. A 'Call Info. Display' button is highlighted with a red arrow, and a red arrow also points to the 'hms' label on the waveform's time axis.

Live Call Recording List and Monitoring

The screenshot displays the Smart DVoiceR Manager interface. The main window shows a 'Current Call List Display' with a 'Live Play' button and a 'List Update Time' indicator. A 'Record Session' window is open, showing a table of call records. A 'Record Information' window is also open, displaying details for a specific call.

Record Information

- Start Time: 2007-06-15 14:16:46
- End Time:
- Record Duration:
- Record Memo:

Call Information

- Initiated Time: 2007-06-15 14:18:56
- Established Time: 2007-06-15 14:18:57
- Disconnected Time:
- Call Duration:

Calling Party

- DialNumber: 3006
- User:
- Codec: G711U
- Directory: /mnt/hda1/callrecfiles
- FileSize:

Called Party

- DialNumber: 5022
- User:
- Codec: G711U
- Directory: /mnt/hda1/callrecfiles
- FileSize:

No.	Call ID	Source IP	Rec StartTime	Initiated Time	Established Time	Call Duration	Calling Num	Calling User	Calling SI...	Calling Trans...	C
1	46551	172.17.213.100	2007-06-13 15:20:42	2007-06-13 15:2...	2007-06-13 15:22:38	00:00:11	5009		2/1/0	G7231_63->...	2
2	46552	172.17.213.100	2007-06-13 15:20:42	2007-06-13 15:2...	2007-06-13 15:22:38	00:00:11	5007		1/3/0	G7231_63->...	2
3	46553	172.17.213.100	2007-06-13 15:20:43	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:10	5013		3/1/0	G7231_63->...	2
4	46558	172.17.213.100	2007-06-13 15:20:44	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	3015		7/3/0	G7231_63->...	5
5	46554	172.17.213.100	2007-06-13 15:20:44	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		2/3/0	G7231_63->...	2
6	46555	172.17.213.100	2007-06-13 15:20:44	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5014		3/2/0	G7231_63->...	2
7	46556	172.17.213.100	2007-06-13 15:20:44	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		3/3/0	G7231_63->...	2
8	46559	172.17.213.100	2007-06-13 15:20:45	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		7/2/0	G7231_63->...	5
9	46557	172.17.213.100	2007-06-13 15:20:45	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		0/3/0	G7231_63->...	2
10	46560	172.17.213.100	2007-06-13 15:20:46	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		7/0/0	G7231_63->...	5
11	46561	172.17.213.100	2007-06-13 15:20:47	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		1/0/0	G7231_63->...	2
12	46546	172.17.213.100	2007-06-13 15:20:34	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/3/0	G7231_63->...	5
13	46563	172.17.213.100	2007-06-13 15:20:47	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		6/0/0	G7231_63->...	5
14	46562	172.17.213.100	2007-06-13 15:20:50	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		1/2/0	G7231_63->...	2
15	46545	172.17.213.100	2007-06-13 15:20:36	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		3/0/0	G7231_63->...	2
16	46564	172.17.213.100	2007-06-13 15:20:50	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/0/0	G7231_63->...	5
17	46565	172.17.213.100	2007-06-13 15:20:51	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		5/3/0	G7231_63->...	5
18	46547	172.17.213.100	2007-06-13 15:20:41	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		0/2/0	G7231_63->...	2
19	46566	172.17.213.100	2007-06-13 15:20:52	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		6/2/0	G7231_63->...	5
20	46548	172.17.213.100	2007-06-13 15:20:41	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		1/1/0	G7231_63->...	2
21	46567	172.17.213.100	2007-06-13 15:20:52	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/2/0	G7231_63->...	5
22	46549	172.17.213.100	2007-06-13 15:20:41	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		2/0/0	G7231_63->...	2
23	46568	172.17.213.100	2007-06-13 15:20:52	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		5/2/0	G7231_63->...	5
24	46569	172.17.213.100	2007-06-13 15:20:52	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		6/1/0	G7231_63->...	5
25	46570	172.17.213.100	2007-06-13 15:20:52	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		5/0/0	G7231_63->...	5
26	46550	172.17.213.100	2007-06-13 15:20:42	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		0/0/0	G7231_63->...	2
27	46573	172.17.213.100	2007-06-13 15:20:53	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/1/0	G7231_63->...	5
28	6208	172.16.9.60	2007-06-13 15:20:30	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/2/0	G729A_8->G...	2
29	6209	172.16.9.60	2007-06-13 15:20:30	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		5/0/0	G729A_8->G...	2
30	6223	172.16.9.60	2007-06-13 15:20:45	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		1/3/0	G729A_8->G...	6
31	6213	172.16.9.60	2007-06-13 15:20:32	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/0/0	G729A_8->G...	2
32	6214	172.16.9.60	2007-06-13 15:20:32	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/3/0	G729A_8->G...	2
33	6215	172.16.9.60	2007-06-13 15:20:32	2007-06-13 15:2...	2007-06-13 15:22:39	00:00:09	5011		4/1/0	G729A_8->G...	2
34	6224	172.16.9.60	2007-06-13 15:20:49	2007-06-13 15:2...	2007-06-13 15:22:42	00:00:04	1006		1/2/0	G729A_8->G...	6
35	5882	172.16.9.60	2007-06-13 15:08:56	2007-06-13 15:1...	2007-06-13 15:10:48	00:11:57	1015		3/3/0	G729A_8->G...	6
36	6220	172.16.9.60	2007-06-13 15:20:41	2007-06-13 15:2...	2007-06-13 15:22:35	00:00:12	1004		1/0/0	G729A_8->G...	6
37	6221	172.16.9.60	2007-06-13 15:20:42	2007-06-13 15:2...	2007-06-13 15:22:35	00:00:11	1005		1/1/0	G729A_8->G...	6

Event Management (Configuration)

Smart DVoiceR Manager

File Advanced Configuration Help

Smart DVoiceR Manager

Event Configuration

Event Source

Host : 172.16.4.22 ← Server IP address

Listen Port : 514 ← Event Port Number

1. Emergency
The presence of a condition that has either caused the system to become unstable or has crashed the system.

2. Error
Error events are warnings of conditions that will affect the performance of the MX.

Realtime event level Setting

Event Filter | Event Logging Filter

+ Event filter setting for source.

Select / Deselect All

Category	Severity	Description
<input checked="" type="checkbox"/> recording	Warning	recording
<input checked="" type="checkbox"/> play	Warning	play
<input checked="" type="checkbox"/> system	Warning	system

Use Emergency Sound

OK Cancel

Event Configuration

Event Source

Host : 172.16.4.22

Listen Port : 514

1. Emergency
The presence of a condition that has either caused the system to become unstable or has crashed the system.

2. Error
Error events are warnings of conditions that will affect the performance of the MX.

Event logging level Setting

Event Filter | Event Logging Filter

+ Event filter setting for logging.

Select / Deselect All

Category	Severity	Description
<input checked="" type="checkbox"/> recording	Warning	recording
<input checked="" type="checkbox"/> play	Warning	play
<input checked="" type="checkbox"/> system	Warning	system

Use Emergency Sound

OK Cancel

Event level Configuration

Sound Play On/Off at Server Emergency Event Occurring

2007-06-14 오후 4:25:35 Ver. 1.0.2720 172.16.4.22:9200 root

Event Management (Monitoring)

The screenshot displays the Smart DVoiceR Manager interface. The main window shows a list of call records with columns for No., Call ID, Source IP, Rec StartTime, Initiated Time, Established Time, Call Duration, Calling Num, and Calli... The interface includes a menu bar (File, Advanced, Configuration, Help), a toolbar, and a tree view on the left with categories like User Management, Device Management, Recording Management, and Recording Board. A 'Refresh Interval' of 5 seconds is set. Red arrows point to specific features: 'Event Display Window' (tree view), 'Event level Configuration Window' (tree view), 'Event Display Window Clear' (button), and 'Event Receiving Pause' (Pause button).

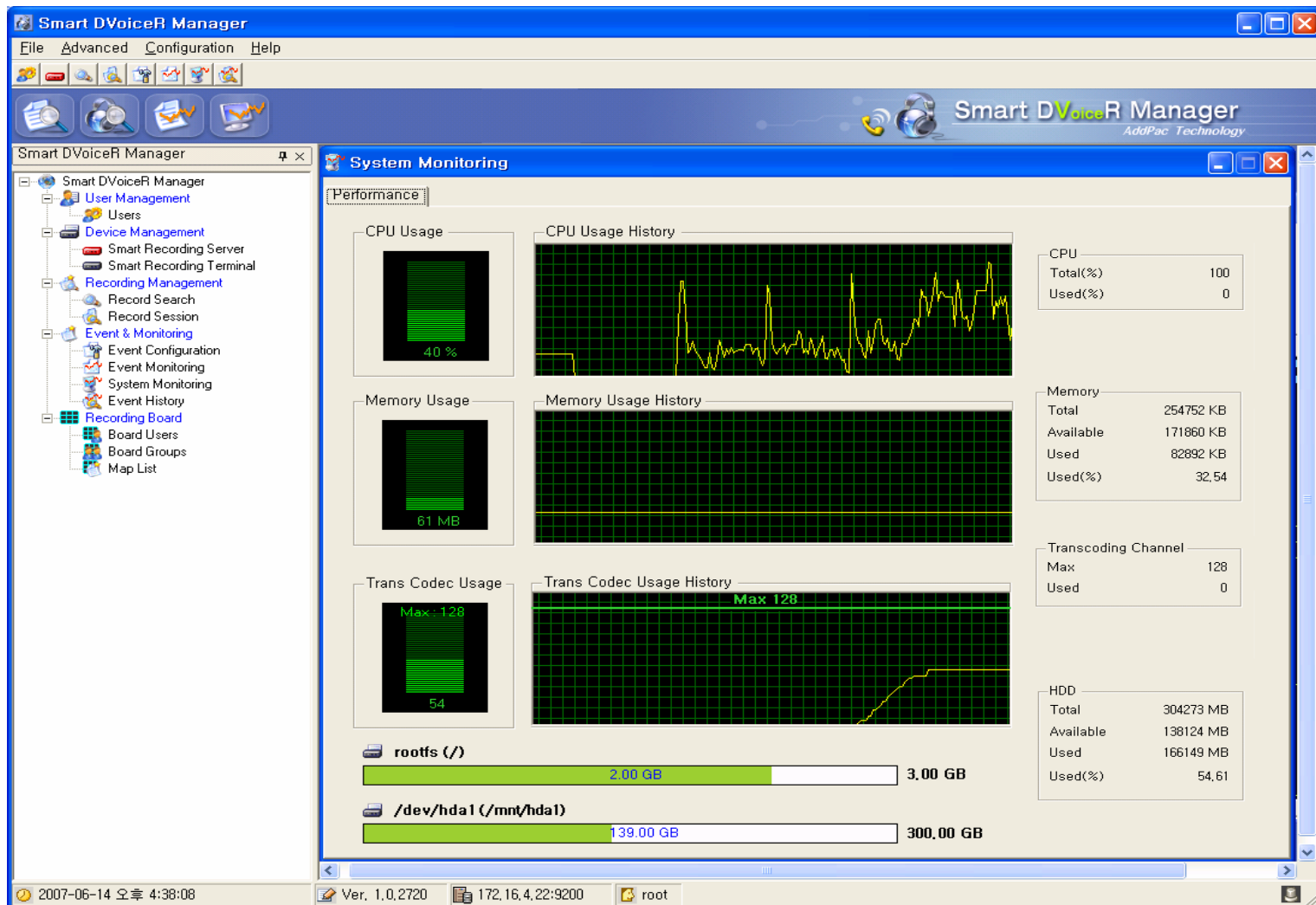
No.	Call ID	Source IP	Rec StartTime	Initiated Time	Established Time	Call Duration	Calling Num	Calli...
1	690	172.17.213.100	2007-06-14 16:25:24	2007-06-14 16:27:25	2007-06-14 16:27:29	00:00:20	5012	
2	693	172.17.213.100	2007-06-14 16:25:24	2007-06-14 16:27:28	2007-06-14 16:27:29	00:00:20	5005	
3	694	172.17.213.100	2007-06-14 16:25:25	2007-06-14 16:27:29	2007-06-14 16:27:30	00:00:19	5001	
4	695	172.17.213.100	2007-06-14 16:25:26	2007-06-14 16:27:29	2007-06-14 16:27:31	00:00:18	5006	
5	696	172.17.213.100	2007-06-14 16:25:26	2007-06-14 16:27:30	2007-06-14 16:27:31	00:00:18	5007	
6	697	172.17.213.100	2007-06-14 16:25:27	2007-06-14 16:27:31	2007-06-14 16:27:32	00:00:17	5008	
7	698	172.17.213.100	2007-06-14 16:25:28	2007-06-14 16:27:32	2007-06-14 16:27:33	00:00:16	5009	
8	699	172.17.213.100	2007-06-14 16:25:30	2007-06-14 16:27:34	2007-06-14 16:27:35	00:00:14	5011	
9	700	172.17.213.100	2007-06-14 16:25:31	2007-06-14 16:27:34	2007-06-14 16:27:36	00:00:13	5010	
10	701	172.17.213.100	2007-06-14 16:25:32	2007-06-14 16:27:36	2007-06-14 16:27:37	00:00:12	5013	
11	702	172.17.213.100	2007-06-14 16:25:34	2007-06-14 16:27:37	2007-06-14 16:27:38	00:00:10	5014	
12	703	172.17.213.100	2007-06-14 16:25:38	2007-06-14 16:27:42	2007-06-14 16:27:43	00:00:06	5015	
13	704	172.17.213.100	2007-06-14 16:25:39	2007-06-14 16:27:43	2007-06-14 16:27:44	00:00:05	3000	
14	705	172.17.213.100	2007-06-14 16:25:40	2007-06-14 16:27:44	2007-06-14 16:27:45	00:00:04	3001	
15	706	172.17.213.100	2007-06-14 16:25:42	2007-06-14 16:27:45	2007-06-14 16:27:46	00:00:02	3002	
16	684	172.17.213.100	2007-06-14 16:25:17	2007-06-14 16:27:20	2007-06-14 16:27:21	00:00:27	3012	
17	707	172.17.213.100	2007-06-14 16:25:43	2007-06-14 16:27:46	2007-06-14 16:27:47	00:00:01	3003	
18	686	172.17.213.100	2007-06-14 16:25:18	2007-06-14 16:27:21	2007-06-14 16:27:22	00:00:26	3013	
19	708	172.17.213.100	2007-06-14 16:25:44	2007-06-14 16:27:47	2007-06-14 16:27:49	00:00:00	3004	
20	687	172.17.213.100	2007-06-14 16:25:18	2007-06-14 16:27:22	2007-06-14 16:27:23	00:00:26	3014	
21	685	172.17.213.100	2007-06-14 16:25:19	2007-06-14 16:27:23	2007-06-14 16:27:24	00:00:25	5000	
22	689	172.17.213.100	2007-06-14 16:25:20	2007-06-14 16:27:23	2007-06-14 16:27:24	00:00:24	3015	

Event Monitoring window details:

DateTime	Host	Severity	Module	Description
Jun 14 07:25:43	172.16.4.22	Informational	recording	recording stopping ; call_id = 682, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:43	172.16.4.22	Informational	recording	Stop Recording, bind id:2003
Jun 14 07:25:43	172.16.4.22	Informational	recording	new recording starting ; call_id = 707, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:43	172.16.4.22	Informational	recording	Start Recording, bind id:2003
Jun 14 07:25:44	172.16.4.22	Informational	recording	recording stopping ; call_id = 683, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:44	172.16.4.22	Informational	recording	Stop Recording, bind id:2003
Jun 14 07:25:44	172.16.4.22	Informational	recording	new recording starting ; call_id = 708, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:44	172.16.4.22	Informational	recording	Start Recording, bind id:2003
Jun 14 07:25:44	172.16.4.22	Debug	system	get current recording session ;
Jun 14 07:25:44	172.16.4.22	Informational	recording	new recording starting ; call_id = 709, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:44	172.16.4.22	Informational	recording	Start Recording, bind id:2003
Jun 14 07:25:45	172.16.4.22	Informational	recording	recording stopping ; call_id = 684, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:45	172.16.4.22	Informational	recording	Stop Recording, bind id:2003
Jun 14 07:25:45	172.16.4.22	Informational	recording	new recording starting ; call_id = 710, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:45	172.16.4.22	Informational	recording	Start Recording, bind id:2003
Jun 14 07:25:46	172.16.4.22	Informational	recording	recording stopping ; call_id = 686, ip = 172.17.213.100, mac_addr = 0002,a403,cc82
Jun 14 07:25:46	172.16.4.22	Informational	recording	Stop Recording, bind id:2003
Jun 14 07:25:46	172.16.4.22	Debug	system	get current recording session ;

Event Management

(System Monitoring)



Event Management

(Event History)

Event Search Time Setting

Start : 2007-06-14 00:00:00
End : 2007-06-14 23:59:59

Event category

Recording : Debug
 Play : Debug
 System : Debug

Search Condition Setting

Filter Name : Event
Rule : IsExactly
Search :

No.	Event Time	Host	Category	Severity	Event
22	2007-06-14 15:14:21	172.16.4.22	recording	Informational	recording stopping : call_id = 0, ip = , mac_addr =
23	2007-06-14 15:14:21	172.16.4.22	recording	Informational	recording stopping : call_id = 0, ip = , mac_addr =
24	2007-06-14 15:15:31	172.16.4.22	recording	Informational	new recording starting : call_id = 9782, ip = 172.16.9...
25	2007-06-14 15:15:32	172.16.4.22	recording	Informational	new recording starting : call_id = 9784, ip = 172.16.9...
26	2007-06-14 15:15:32	172.16.4.22	recording	Informational	new recording starting : call_id = 9788, ip = 172.16.9...
27	2007-06-14 15:15:33	172.16.4.22	recording	Informational	new recording starting : call_id = 9790, ip = 172.16.9...
28	2007-06-14 15:15:35	172.16.4.22	recording	Informational	new recording starting : call_id = 9792, ip = 172.16.9...
29	2007-06-14 15:15:37	172.16.4.22	recording	Informational	new recording starting : call_id = 9794, ip = 172.16.9...
30	2007-06-14 15:15:39	172.16.4.22	recording	Informational	new recording starting : call_id = 9797, ip = 172.16.9...
31	2007-06-14 15:15:40	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
32	2007-06-14 15:15:43	172.16.1.48	system	Debug	get system information requested : cpu = 15%, mem...
33	2007-06-14 15:15:44	172.16.1.48	system	Debug	get system information requested : cpu = 20%, mem...
34	2007-06-14 15:15:45	172.16.1.48	system	Debug	get system information requested : cpu = 20%, mem...
35	2007-06-14 15:15:45	172.16.1.48	system	Debug	get transcoding channel usage :
36	2007-06-14 15:15:46	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
37	2007-06-14 15:15:47	172.16.1.48	system	Debug	get system information requested : cpu = 1%, memor...
38	2007-06-14 15:15:47	172.16.1.48	system	Debug	get transcoding channel usage :
39	2007-06-14 15:15:48	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
40	2007-06-14 15:15:49	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
41	2007-06-14 15:15:50	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
42	2007-06-14 15:15:51	172.16.1.48	system	Debug	get system information requested : cpu = 16%, mem...
43	2007-06-14 15:15:51	172.16.1.48	system	Debug	get transcoding channel usage :
44	2007-06-14 15:15:52	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
45	2007-06-14 15:15:53	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
46	2007-06-14 15:15:54	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
47	2007-06-14 15:15:55	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
48	2007-06-14 15:15:56	172.16.1.48	system	Debug	getChannelUsage : client ip = 172.16.1.48, port = 1824
49	2007-06-14 15:15:57	172.16.1.48	system	Debug	get system information requested : cpu = 16%, mem...
50	2007-06-14 15:15:57	172.16.1.48	system	Debug	get transcoding channel usage :
51	2007-06-14 15:15:58	172.16.4.22	recording	Informational	recording stopping : call_id = 9785, ip = 172.16.9.60, ...
52	2007-06-14 15:15:58	172.16.1.48	system	Debug	get system information requested : cpu = 8%, memor...
53	2007-06-14 15:15:59	172.16.1.48	system	Debug	get transcoding channel usage :

Recording Board Management

(Call User Registration)

The screenshot displays the Smart DVoiceR Manager interface. The main window shows a 'Board Users' table with columns for No., User ID, Name, and Phone Number. A context menu is open over the table, with 'Import' and 'Add' options highlighted. Two pop-up windows are also visible: 'Import Board Users' and 'Add Board User'.

Board Users Table:

No.	User ID	Name	Phone Number
1	2002	james lee	2002
2	bmlee	bmlee	6002
3	cykim	cykim	1019
4	dhkim	dhkim	5075
5	hgyang	hgyang	2006
6	jhjeon	jhjeon	6008
7	jhkwon	jhkwon	1002
8	jhlee	jhlee	026
9	jhson	jhson	5
10	jschoi	jschoi	5
11	jwwoo	jwwoo	3
12	jkim	jkim	0
13	jypark	jypark	7
14	kkim	kkim	3
15	kscho	kscho	5
16	kswoo	kswoo	2004
17	kuhan	kuhan	1210
18	mhlee	mhlee	2007
19	mjlee	mjlee	1008
20	mkkim	mkkim	1212
21	mwlee	mwlee	1006
22	ohs	ohs	6015
23	phkwon	kwon young phil	6006
24	smkim	smkim	1003
25	syk	soyoung kim	1027
26	wshwang	senior manager	6005
27	yhj	yhj	1016
28	ymchoi	ymchoi(QA assistant)	6007
29	yslee	senior assistant	1015

Import Board Users Dialog:

Filter: Filter Name, Rule, Word, Advanced Search, Find

Filter: Phone Number, is exactly

Users Table:

User ID	Name	Phone Number
lslee	lslee	1000
kslee	kslee	1001
slms	slms	1003
sykim	sykim	1009
syyl	syyl	1011
bjang	bjang	1015
lenkim	lenkim	1016
wschoi	wschoi	1101
kwshin	kwshin	1102
nykim	nykim	1105
weschoi	weschoi	1106
shkim_h...	shkim_h...	1107
kwshin	kwshin	1108

Imported Board Users Table:

User ID	Name	Phone Number
---------	------	--------------

Add Board User Dialog:

User:

User ID: james
 User Name: james brahms
 Description: quality assurance dev.
 Group: SE

Phone Numbers:

5000

6000

Recording Board Management

(Call Group Registration)

Smart DVoiceR Manager
File Advanced Configuration Help

Smart DVoiceR Manager

Board Users

No.	User ID	Name	Phone Number	Description	Group
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					

Add Board Group

Group Name: ← **New Group Registration**

Description:

User

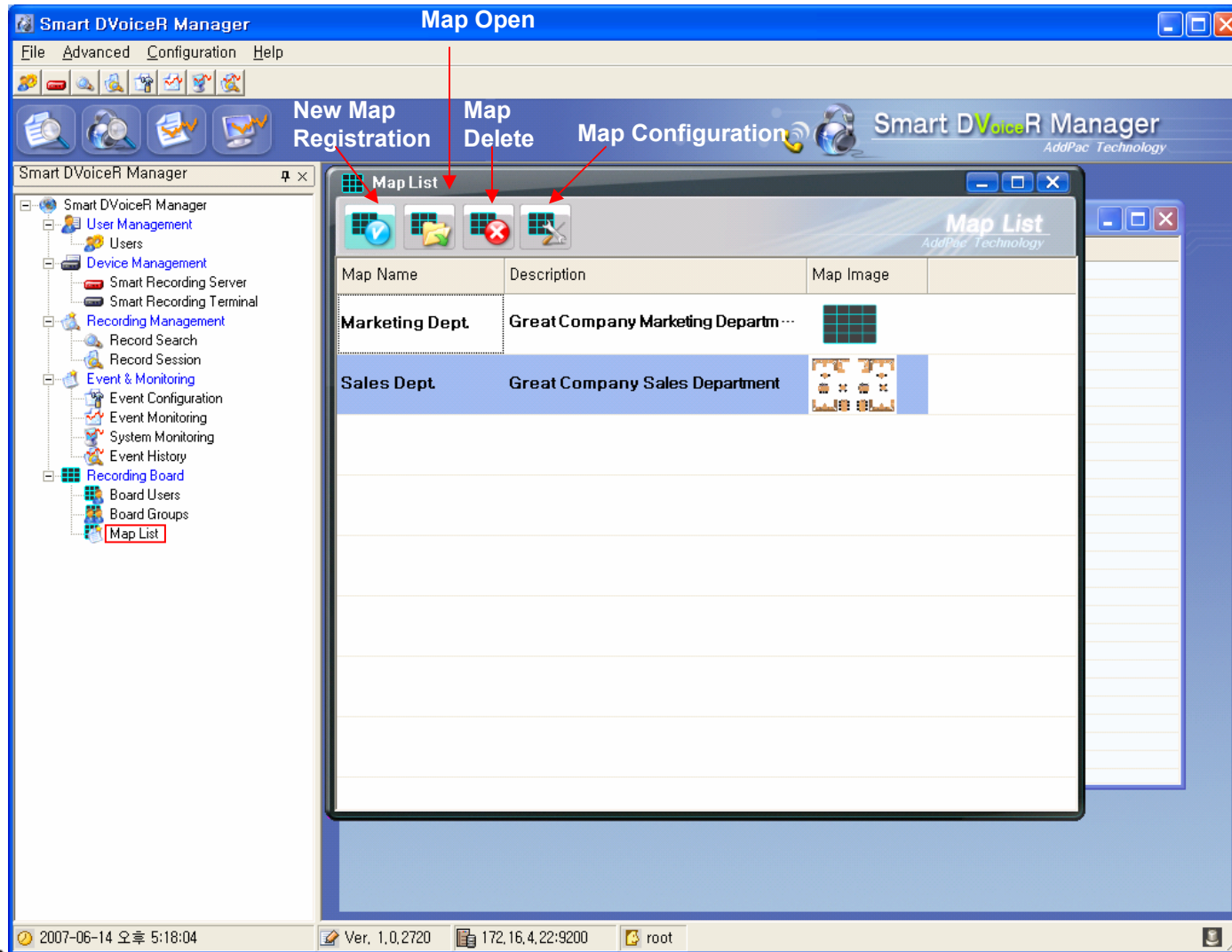
Board Users			Board Users in Group		
User ID	Name	Phone Number	User ID	Name	Phone Number
2002	james lee	2002			
cykim	cykim	1019			
kswoo	kswoo	2004			
kuhan	kuhan	1210			
mkkim	mkkim	1212			
syk	soyoun...	1027			
yhj	yhj	1016			
ymchoi	ymchoi...	6007			
hlyang	hlyang	2006			
jhlee	jhlee	1026			
jhson	jhson	2005			
jwwoo	jwwoo	1013			
iukim	iukim	2000			

OK Cancel

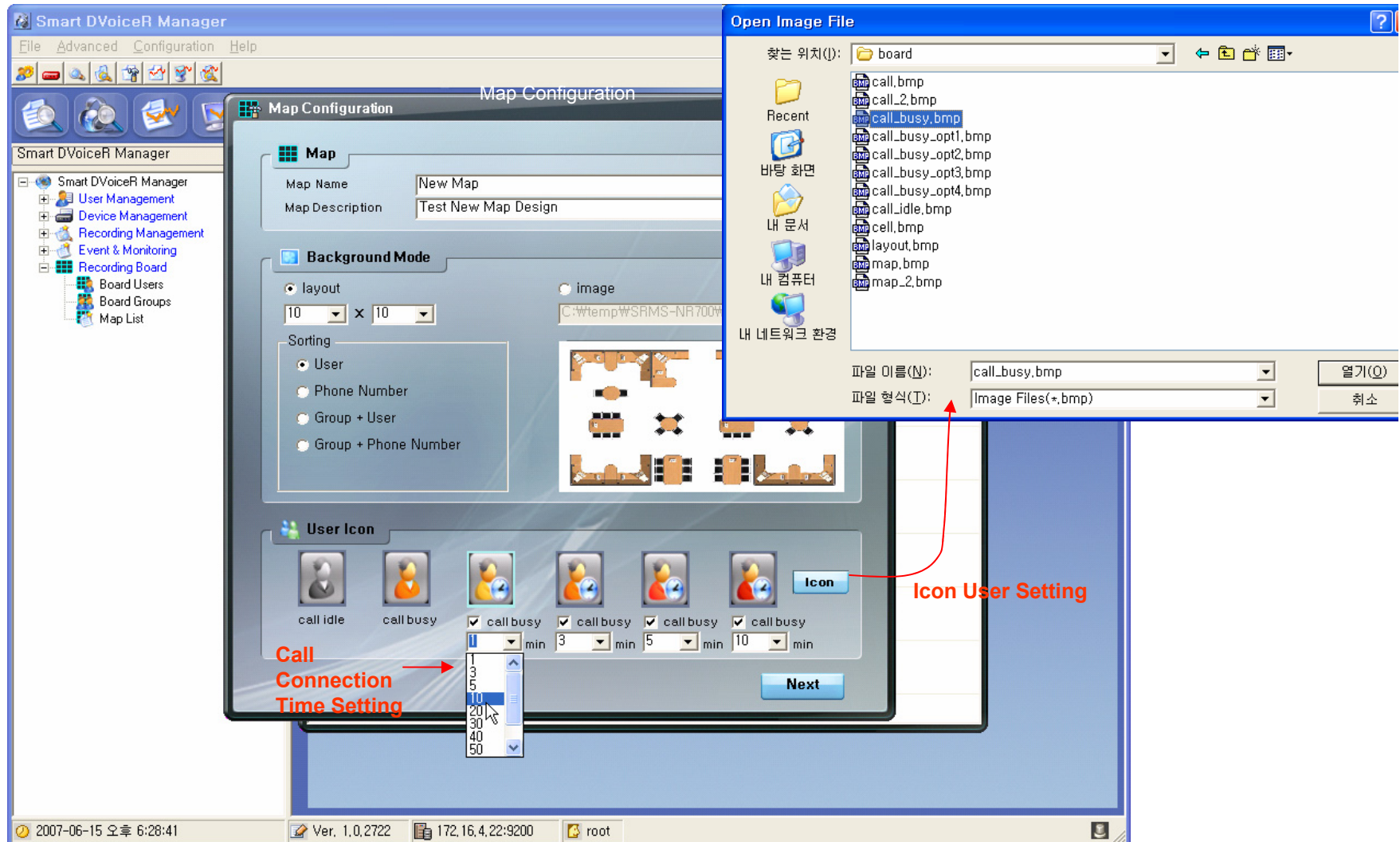
2007-06-15 오후 7:45:07 Ver. 1.0.2722 172.16.4.22:9200 root

Recording Board Management

(Background Image (MAP) Selection)



Recording Board Management (Layout Configuration)



Recording Board Management

(Live Monitoring)

Map Configuration (edit)

Map Information Save

Dynamic Call Status Display (Icon Color)

Call Status Display

Call Connection Time Icon Display

Recording Board (Marketing Dept.)

AddPac Recording Board AddPac Technology

Save Config Auto-Insert Edit Map

kwon young p jhwon senior manage kkim dhkim smkim ohs mwlee mjlee bmlee

senior assistan jhjeon kscho jschoi

Map Name: Marketing Dept. Session Information: Total 14 Idle 6 Busy 8 User Icon: Call Idle Call Busy Over 1 minutes Over 3 minutes Over 5 minutes Over 10 minutes

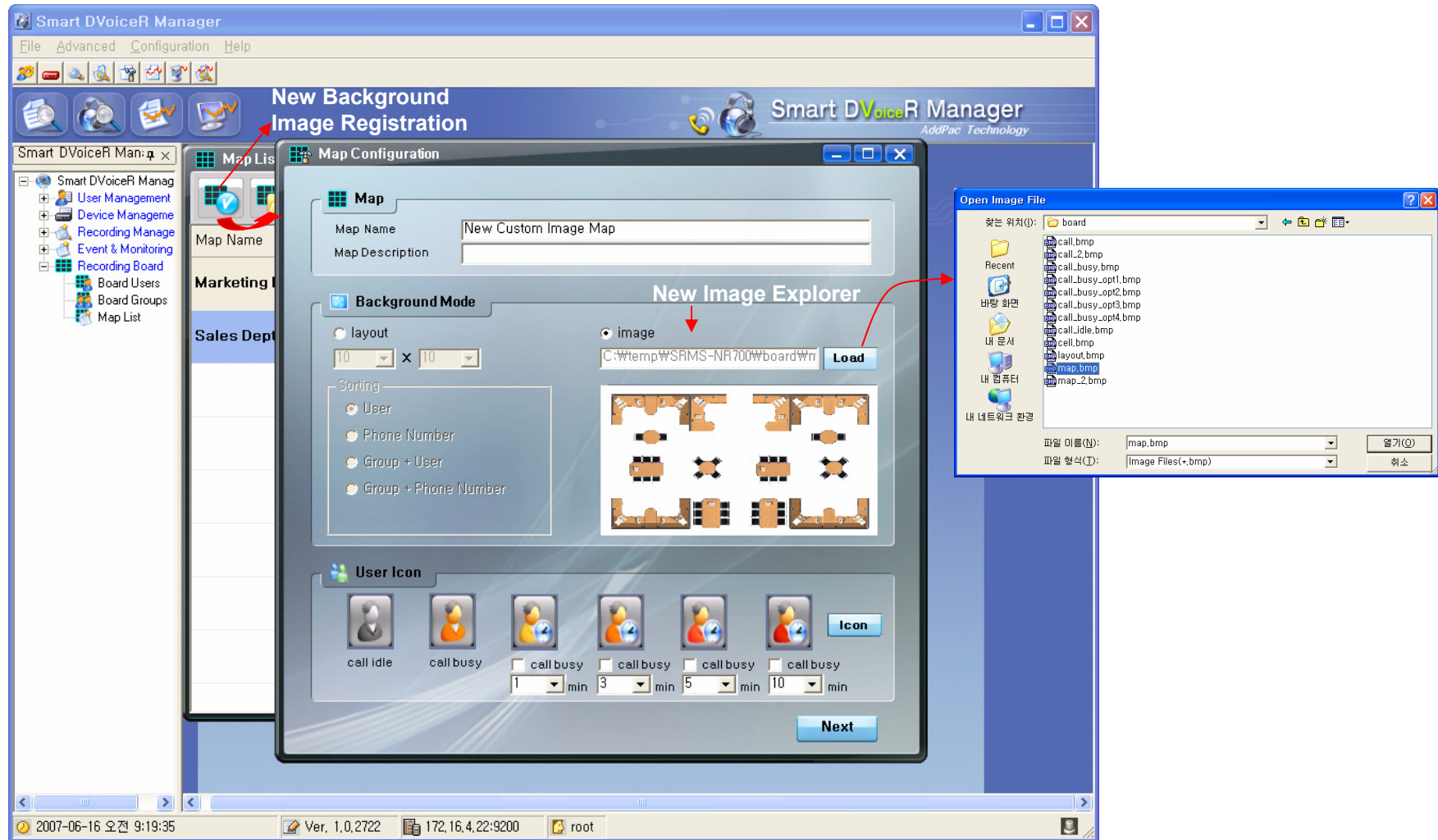
Recording Board Management

(Call User Insert/Remove in MAP)

The screenshot displays the 'Recording Board (Marketing Dept.)' interface. At the top, there is a menu bar with 'Save', 'Config', 'Auto-Insert', and 'Edit Map' options. A red arrow points from the 'Edit Map' button to the 'Recording Board' title bar. Below the menu is a grid of call user icons. A red arrow points from the 'Call User List Display ON/OFF' text to the 'Edit Map' button. A dashed orange arrow labeled 'insert' points from the 'Board Users' list on the right to a specific user icon in the grid. Another dashed orange arrow labeled 'remove' points from the same user icon in the grid to the 'Board Users' list. The 'Board Users' list on the right is organized into folders: 'BCN' (containing jhjeon, kkim, kwon youn..., mwlee, ohs, senior assi..., senior man..., smkim), 'NMS' (containing jhkwon, jschoi, mjlee), and 'SE' (containing bmlee, dhkim, kscho). At the bottom, there is a status bar with 'Map Name' (Marketing Dept.), 'Session Information' (Total 14, Idle 4, Busy 10), and 'User Icon' settings for Call Idle and Call Busy, with time thresholds for Over 1, 3, 5, and 10 minutes.

Recording Board Management

(Background Image Loading)



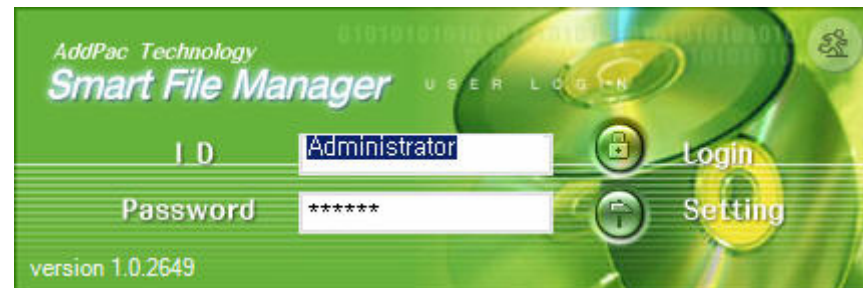
Recoding Board Management

(Call User Registration in Background MAP image)

The screenshot displays the 'Recording Board' software interface. The main window is titled 'Recording Board(New Custom Image Map)' and features the 'AddPac' logo and 'Recording Board AddPac Technology' text. The interface includes a menu bar with 'Save', 'Config', 'Auto-Insert', and 'Edit Map' options. The central area shows a floor plan with several workstations, each with a user icon and name: 'ohs', 'senior assistan', 'mwlee', 'jheon', 'kkim', 'dhkim', 'mjlee', 'jschoi', 'smkim', 'jhwon', 'bmllee', and 'kscho'. A 'Board Users' list on the right side shows a hierarchical structure with categories 'BCN', 'NMS', and 'SE', and lists users like 'jhjeon', 'kkim', 'kwon young ...', 'mwlee', 'ohs', 'senior ass...', 'senior mana...', 'smkim', 'jhwon', 'jschoi', 'mjlee', 'bmllee', 'dhkim', and 'kscho'. The bottom status bar provides 'Map Name' (New Custom Image Map), 'Session Information' (Total 12, Idle 2, Busy 10), and 'User Icon' settings for 'Call Idle' and 'Call Busy' with duration thresholds: Over 1 minutes, Over 3 minutes, Over 5 minutes, and Over 10 minutes.

Smart File Manager

(Login)



Smart File Manager

(Recorded Call List Search)

Smart File Manager
File Management Help

AddPac Smart File Manager
AddPac Technology

Search Target: Remote Database Start: 2007년 5월 4일 금요일 End: 2007년 5월 4일 금요일 Search Advanced (Total: 1255) (Page 1/2)

Remote Database (172.17.101.251)

Start Time	End Time	Duration	Calling Number	Calling User	Called Number	Called User	Recording Source
2007-05-04 05:28:40	2007-05-04 05:29:07	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:29:26	2007-05-04 05:29:53	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:30:02	2007-05-04 05:30:29	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:30:56	2007-05-04 05:31:34	00:00:38	5000		1015		172.17.213.100
2007-05-04 05:32:09	2007-05-04 05:32:36	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:33:12	2007-05-04 05:33:39	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:34:24	2007-05-04 05:34:51	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:35:18	2007-05-04 05:35:45	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:36:21	2007-05-04 05:36:48	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:36:57	2007-05-04 05:37:24	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:37:33	2007-05-04 05:38:00	00:00:27	5000		1015		172.17.213.100

Local Database (127.0.0.1)

Start Time	End Time	Duration	Calling Number	Calling User	Called Number	Called User	Recording Source	Men
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2007-05-04 오후 9:16:57 version 1.0.2651 172.17.101.251:9200 Administrator Waiting Next Backup Time(2007-05-06 오전 3:00:00)

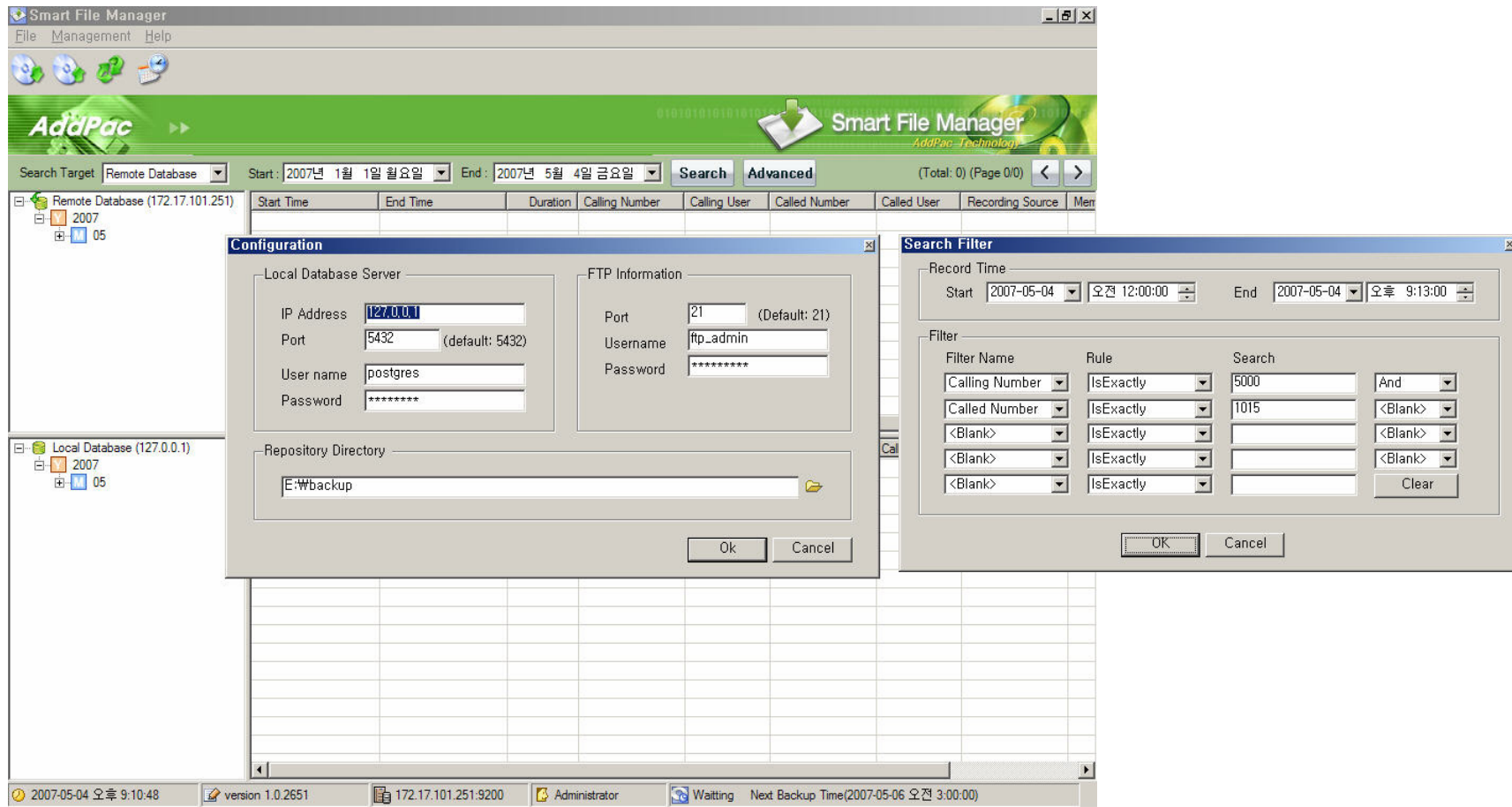
Search List (Server)

Search List (Local)

Status Display

Smart File Manager

(Configuration and Search Filter)



Smart File Manager

(Call List Properties)

The screenshot displays the Smart File Manager interface. The main window shows a search results table for a call list. A context menu is open over the selected row, with the 'Properties' option highlighted. A secondary window titled 'Recording Session Information' is overlaid on top, showing details for the selected recording session.

Start Time	End Time	Duration	Calling Number	Calling User	Called Number	Called User	Recording Source
2007-05-04 05:28:40	2007-05-04 05:29:07	00:00:27	5000		1015		172.17.213.100
2007-05-04 05:28:41	2007-05-04 05:29:08	00:00:27	5012		1027		172.17.213.100
2007-05-04 05:28:42	2007-05-04 05:29:09	00:00:27	6007		1007		172.17.213.100
2007-05-04 05:28:42	2007-05-04 05:29:09	00:00:27	6001		1001		172.17.213.100
2007-05-04 05:28:46		00:00:27	6008		1008		172.17.213.100
2007-05-04 05:28:47		00:00:27	5013		1028		172.17.213.100
2007-05-04 05:28:50		00:00:27	6011		1011		172.17.213.100
2007-05-04 05:28:54		00:00:27	5005		1020		172.17.213.100
2007-05-04 05:28:58							
2007-05-04 05:28:58	2007-05-04 05:29:26						
2007-05-04 05:28:59	2007-05-04 05:29:26						

Filename	Start Time	End Time	Duration	Size	Codec
2460720070503202842...	2007-05-04 05:28:42	2007-05-04 05:29:09	00:00:27	146 KB	
2460720070503202842...	2007-05-04 05:28:42	2007-05-04 05:29:09	00:00:27	174 KB	

Smart File Manager

(Server to Local Backup)

The screenshot displays the Smart File Manager application window. The main interface includes a menu bar (File, Management, Help), a toolbar with icons for file operations, and a search target dropdown set to 'Remote Database'. The left sidebar shows a tree view of file sources: 'Remote Database (172.17.101.251)' containing folders for '2007' and '05', and 'Local Database (127.0.0.1)' containing folders for '2007', '05', and '2007-05-04'. The central pane is titled 'Download' and shows a list of 1996 files with columns for File Name, Duration, Size, DateTime, and Status. All files in the list have a status of 'Done'. Below the list, the 'Download Directory' is set to 'E:\Wbackup'. A detailed progress window is open, showing the file 'callrecfiles/20070504/2460220070503202840-223541-5012-S' is being downloaded. It displays 'Received Size: 146,140 / 146,140 Bytes' and 'Total Size: 6,599,380 / 321,517,396 Bytes' with a progress bar. The window also includes a 'Delete files after download' checkbox and 'Start', 'Cancel', and 'Close' buttons. On the right side of the main window, there are two tables: one for 'Recording Source' and 'Memo' (showing IP addresses like 172.17.213.100) and another for 'Called User', 'Recording Source', and 'Memo'. The status bar at the bottom shows the date and time (2007-05-04 오후 9:40:36), version (1.0.2651), server IP (172.17.101.251:9200), user (Administrator), and next backup time (2007-05-06 오전 3:00:00).



Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com