



System Configuration

iPECS-MG
Business Enabled Communications



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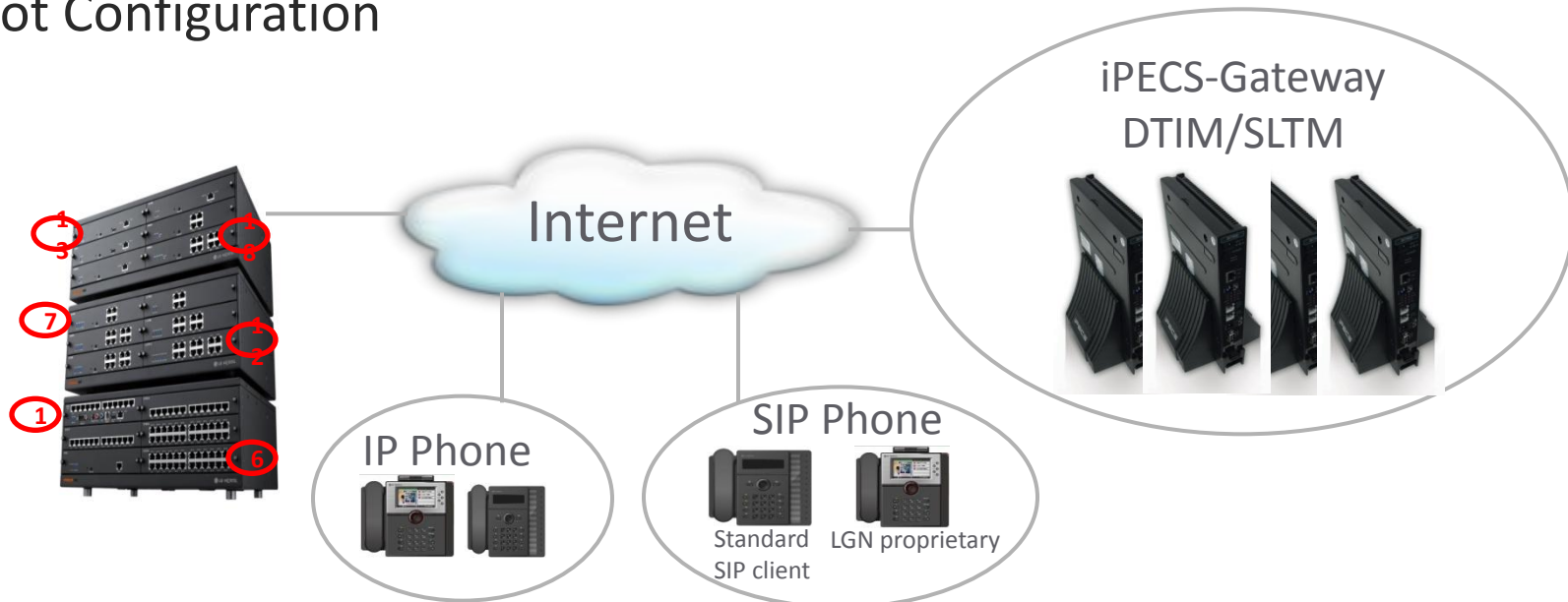
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iPECS-MG System Capacity

Items	iPECS-MG 100	iPECS-MG 300
KSU No.	2	3
Slot No. per KSU	6	6
Total Port (Station + CO line) * Time Slot No : 138 (/KSU)	200	414 (if IP Phone/DECT not included)
		564 (CO 240 + STA 324) (if IP Phone/DECT included)
Number of Station Port	120	324
Number of Station Number	180(STA 120 + DN 60)	648(Ext 324 + DN 324)
Number of CO Line	80	240
CO Group No.	24	72
Numbering Plan	Extension : 8 Digits	Extension : 8 Digits
	Feature Code: 8 Digits	Feature Code: 8 Digits
Number of SMDR Records	5000	5000
Station Group	20 (50 member/Group)	50 (50 member/Group)
Pickup Group	20 (100 member/Group)	50 (100 member/Group)
Digit Restriction (for table)	COS: 16 Allow/Deny Entry per COS: 100	COS: 16 Allow/Deny Entry per COS: 100

Board Configuration

Slot Configuration



iPECS-MG 100 Slot No.	iPECS-MG 300 Slot No.	To be installed Board	Remark
0	0	AAFU or VOIU	4 Channel
1	1	DSIU only	6 DKT + 6 SLT
2 - 6	2 - 6	Universal Slot	
7 - 12	7 - 12	Universal Slot	
	13 - 18	Universal Slot	
13 - 27	19 - 56	Virtual Slot for DTIM or SLTM	
28 - 88	57 - 114	Virtual Slot for SIP Phone	

Board Configuration

Auto Configuration

If the 1st switch of the DIP on the MPB100/300 is OFF position, boards on internal slot are configured automatically when system is power up.

Then the 1st switch DIP should be set to ON position to protect database. In database protecting, the board can be added or removed in Slot Assignment PGM 101.

DIP Switch	Usage	Remark
1	Initialize System with default	Set to OFF Set the system nation in PGM 101 Reset system (Database is initialize and Boards are configured. Set to ON to protect database
2	Lithium Battery Back up ON/OFF for Memory and RTC	Set to ON for Battery Back up

Board Configuration

Board Configuration Check

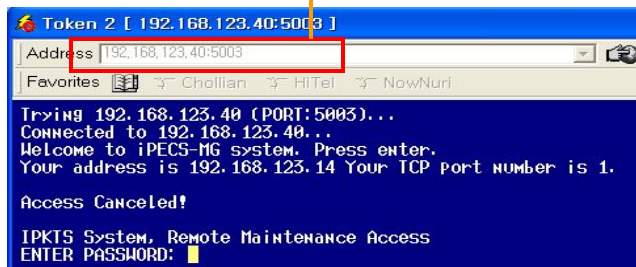
User can check board configuration through RS232, telnet or Web-Admin.

1) RS232

- Connect Serial Cable between PC and Com Port on MPB.
- Set Baud Rate 115200.
- Enter maintenance Mode
- bs or bc

2) Telnet

- Connect with **IP-Addr & 5003 port**
(Default System IP = 10.10.10.1
It can be assigned in PGM 108)
- Enter maintenance password
(Can be assigned in PGM 226/Btn 3)



```
maint> bs
```

###	SLOT	System	BRD-TYPE	FW-Ver	MAC ADDRESS	IP ADDRESS	FIRST DEV
0	0	MPB	AAFU	56M-A.0Au	00: 1A: 7E: A7: 9C: 58	192. 168. 123. 40	VM 1
1	1	DSIU	A0Af			192. 168. 123. 40	DN 100
2	2	VOIB24	A0Aq			10. 10. 10. 2	CO 1
3	3	VMIB	A0Ap			192. 168. 123. 34	VM 5
4	4	LCOB8					CO 25
5	5	SLIB24	A0Ak				DN 112
6	6	DTIB24					DN 136
7	7	SLIB24					DN 160
9	9	PRIB					CO 33
10	10	WTIB					DN 184
11	11	SLIB12					DN 192
12	12	LCOB12					CO 63
15	15	DTIB12					DN 204
16	16	DTIB24					DN 216
19	19	DTIM8			00: 40: 5A: 15: 64: 9A	192. 168. 123. 32	DN 304
88	88	SIP					DN 240
99	99	IPP					DN 272

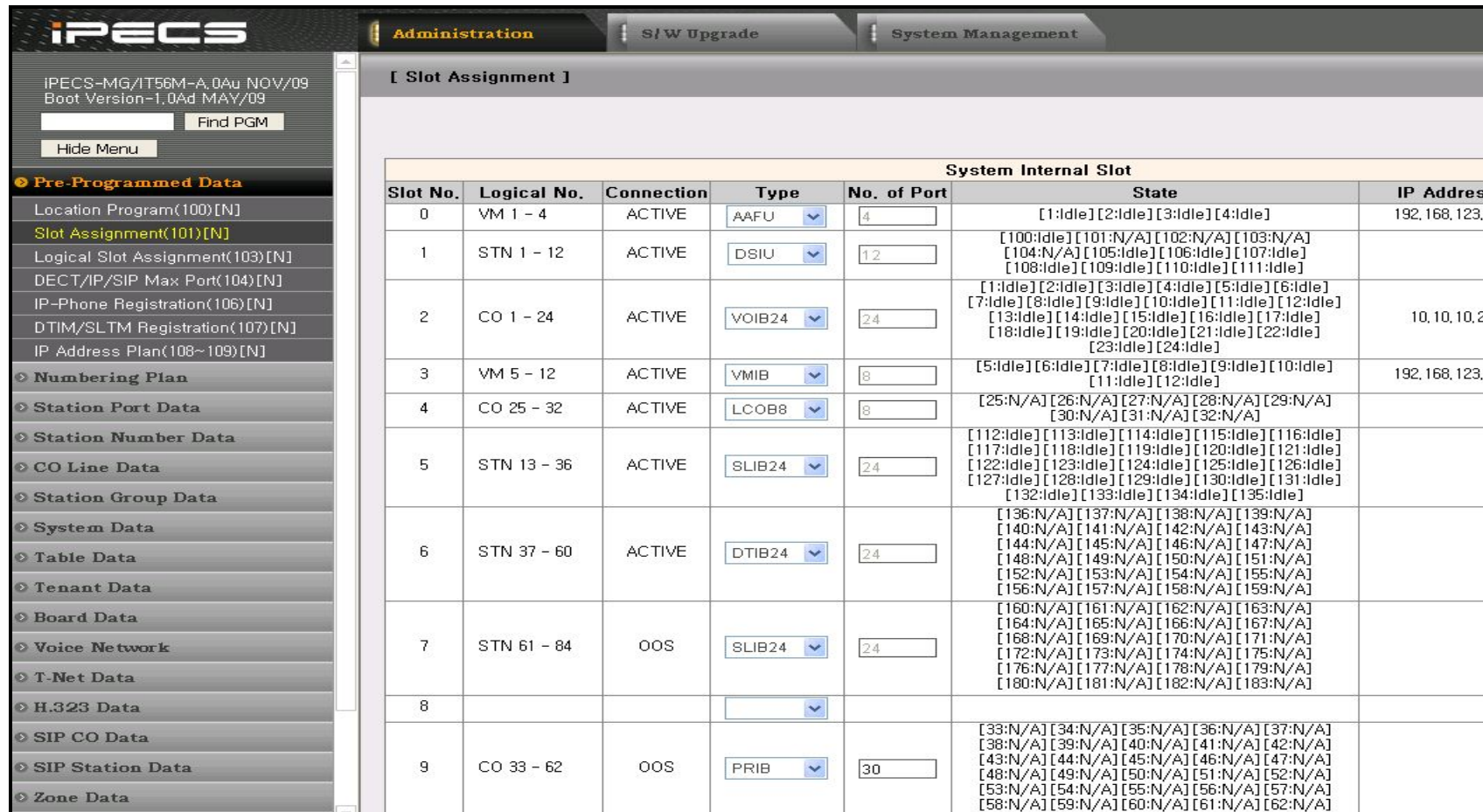
```
maint> bc
```

###	SLOT	Board	STAS	COLS	VMIS	S-off	T-off	V-off	BrdName	State
0	0	0	0	4	0(--)	0(--)	1(1)	AAFU	ACTIVE	
1	12	0	0	1(1)	0(--)	0(--)	0(--)	DSIU	ACTIVE	
2	0	24	0	0(--)	1(1)	0(--)	0(--)	VOIB24	ACTIVE	
3	0	0	8	0(--)	0(--)	0(--)	5(2)	VMIB	ACTIVE	
4	0	8	0	0(--)	25(2)	0(--)	0(--)	LCOB8	ACTIVE	
5	24	0	0	13(2)	0(--)	0(--)	0(--)	SLIB24	ACTIVE	
6	24	0	0	37(3)	0(--)	0(--)	0(--)	DTIB24	ACTIVE	
7	24	0	0	61(4)	0(--)	0(--)	0(--)	SLIB24	00S	
9	0	30	0	0(--)	33(3)	0(--)	0(--)	PRIB	00S	
10	8	0	0	85(5)	0(--)	0(--)	0(--)	WTIB	00S	
11	12	0	0	93(6)	0(--)	0(--)	0(--)	SLIB12	00S	
12	0	12	0	0(--)	63(4)	0(--)	0(--)	LCOB12	00S	
15	12	0	0	105(7)	0(--)	0(--)	0(--)	DTIB12	00S	
16	24	0	0	117(8)	0(--)	0(--)	0(--)	DTIB24	00S	
19	8	0	0	205(11)	0(--)	0(--)	0(--)	DTIM8	00S	
88	32	0	0	141(9)	0(--)	0(--)	0(--)	SIP		
99	32	0	0	173(10)	0(--)	0(--)	0(--)	IPP		

Board Configuration

Board Configuration Check

3) Web-Admin



The screenshot displays the IPECS Web-Admin interface. The top navigation bar includes 'Administration', 'S/W Upgrade', and 'System Management'. The left sidebar shows a menu with options like 'Pre-Programmed Data', 'Numbering Plan', 'Station Port Data', 'Station Number Data', 'CO Line Data', 'Station Group Data', 'System Data', 'Table Data', 'Tenant Data', 'Board Data', 'Voice Network', 'T-Net Data', 'H.323 Data', 'SIP CO Data', 'SIP Station Data', and 'Zone Data'. The main content area is titled '[Slot Assignment]' and contains a table for 'System Internal Slot' configuration.

Slot No.	Logical No.	Connection	Type	No. of Port	State	IP Address
0	VM 1 - 4	ACTIVE	AAFU	4	[1:Idle][2:Idle][3:Idle][4:Idle]	192.168.123.4
1	STN 1 - 12	ACTIVE	DSIU	12	[100:Idle][101:N/A][102:N/A][103:N/A] [104:N/A][105:Idle][106:Idle][107:Idle] [108:Idle][109:Idle][110:Idle][111:Idle]	
2	CO 1 - 24	ACTIVE	VOIB24	24	[1:Idle][2:Idle][3:Idle][4:Idle][5:Idle][6:Idle] [7:Idle][8:Idle][9:Idle][10:Idle][11:Idle][12:Idle] [13:Idle][14:Idle][15:Idle][16:Idle][17:Idle] [18:Idle][19:Idle][20:Idle][21:Idle][22:Idle] [23:Idle][24:Idle]	10.10.10.2
3	VM 5 - 12	ACTIVE	VMIB	8	[5:Idle][6:Idle][7:Idle][8:Idle][9:Idle][10:Idle] [11:Idle][12:Idle]	192.168.123.3
4	CO 25 - 32	ACTIVE	LCOB8	8	[25:N/A][26:N/A][27:N/A][28:N/A][29:N/A] [30:N/A][31:N/A][32:N/A]	
5	STN 13 - 36	ACTIVE	SLIB24	24	[112:Idle][113:Idle][114:Idle][115:Idle][116:Idle] [117:Idle][118:Idle][119:Idle][120:Idle][121:Idle] [122:Idle][123:Idle][124:Idle][125:Idle][126:Idle] [127:Idle][128:Idle][129:Idle][130:Idle][131:Idle] [132:Idle][133:Idle][134:Idle][135:Idle]	
6	STN 37 - 60	ACTIVE	DTIB24	24	[136:N/A][137:N/A][138:N/A][139:N/A] [140:N/A][141:N/A][142:N/A][143:N/A] [144:N/A][145:N/A][146:N/A][147:N/A] [148:N/A][149:N/A][150:N/A][151:N/A] [152:N/A][153:N/A][154:N/A][155:N/A] [156:N/A][157:N/A][158:N/A][159:N/A]	
7	STN 61 - 84	OOS	SLIB24	24	[160:N/A][161:N/A][162:N/A][163:N/A] [164:N/A][165:N/A][166:N/A][167:N/A] [168:N/A][169:N/A][170:N/A][171:N/A] [172:N/A][173:N/A][174:N/A][175:N/A] [176:N/A][177:N/A][178:N/A][179:N/A] [180:N/A][181:N/A][182:N/A][183:N/A]	
8						
9	CO 33 - 62	OOS	PRIB	30	[33:N/A][34:N/A][35:N/A][36:N/A][37:N/A] [38:N/A][39:N/A][40:N/A][41:N/A][42:N/A] [43:N/A][44:N/A][45:N/A][46:N/A][47:N/A] [48:N/A][49:N/A][50:N/A][51:N/A][52:N/A] [53:N/A][54:N/A][55:N/A][56:N/A][57:N/A] [58:N/A][59:N/A][60:N/A][61:N/A][62:N/A]	

Board Configuration

Internal Board Configuration

System Internal Slot								
Slot No.	Logical No.	Connection	Type	No. of Port	State	IP Address	Version	CPII
0	VM 1 - 4	ACTIVE	AAFU	4	[1:Idle][2:Idle][3:Idle][4:Idle]	192,168,123,40		Save
1	STN 1 - 12	ACTIVE	DSIU	12	[100:Use][101:N/A] [102:N/A][103:N/A] [104:N/A][105:Use][106:Idle] [107:Idle][108:Idle][109:Idle] [110:Idle][111:Idle]			System overview
2	CO 1 - 24	ACTIVE	VOIB24	24	[1:Idle][2:Idle][3:Idle][4:Idle] [5:Idle][6:Idle][7:Idle][8:Idle] [9:Idle][10:Idle][11:Idle] [12:Idle][13:Idle][14:Idle] [15:Idle][16:Idle][17:Idle] [18:Idle][19:Idle][20:Idle] [21:Idle][22:Idle][23:Idle] [24:Idle]	10,10,10,2	A0Aq	MS828

[System Capacity] [System License]

System Capacity Overview			
	max port / slot	used port / slot	available port / slot
Total	414	298	116
CO Line	240	74	
Station	324	212	
VMIB (including AAFU)	28 / 4	12 / 2	16 / 2
WTIB	3	1	2

cf) WTIBs should be installed in the same KSU for DECT hand-over.

System Configuration Overview		
3rd KSU		DTIB24
	DTIB12	
2nd KSU	SLIB24	WTIB
	PRIB	LCOB12
1st KSU	MPB (AAFU/DSIU)	LCOB8
	VOIB24	SLIB24
	VMIB	DTIB24

Installed Configuration
is displayed.

Board Configuration

IPECS-MG Gateway Configuration

iPECS Gateway Station Slot									
Slot No.	Logical No.	Connection	Type	No. of Port	State	MAC Address	IP Address	Version	CPU
19	STN 205 - 212	OOS	DTIM8	8	[304:N/A] [305:N/A] [306:N/A] [307:N/A] [308:N/A] [309:N/A] [310:N/A] [311:N/A]	00405a15649a	192.168.123.32	DOFc	MS828
20			DTIM8						
21			SLTM4/8						
			SLTM32						

Add MAC Address to DTIM/SLTM Registration Table (PGM 107), Then if GW tries to register. It is registered without system reset.

IP Phone/SIP Phone Configuration

SIP / IP Phone Slot					
Slot No.	Logical No.	Type	No. of Port	State	
88	STN 141 - 172	SIP	32	[240:N/A] [241:N/A] [242:N/A] [243:N/A] [244:N/A] [245:N/A] [246:N/A] [247:N/A] [248:N/A] [249:N/A] [250:N/A] [251:N/A] [252:N/A] [253:N/A] [254:N/A] [255:N/A] [256:N/A] [257:N/A] [258:N/A] [259:N/A] [260:N/A] [261:N/A] [262:N/A] [263:N/A] [264:N/A] [265:N/A] [266:N/A] [267:N/A] [268:N/A] [269:N/A] [270:N/A] [271:N/A]	
99	STN 173 - 204	IPP	32	[272:N/A] [273:N/A] [274:N/A] [275:N/A] [276:N/A] [277:N/A] [278:N/A] [279:N/A] [280:N/A] [281:N/A] [282:N/A] [283:N/A] [284:N/A] [285:N/A] [286:N/A] [287:N/A] [288:N/A] [289:N/A] [290:N/A] [291:N/A] [292:N/A] [293:N/A] [294:N/A] [295:N/A] [296:N/A] [297:N/A] [298:N/A] [299:N/A] [300:N/A] [301:N/A] [302:N/A] [303:N/A]	

Board Configuration

Logical Assignment – Station/CO Line/VMIB

The Station, CO line and VMIB's logical order can be programmed by PGM 103.
After changing, the system should be reset for re-configuration.

[COL][STA][VMIB]					
Station Logical Slot Assignment					
Slot No.	Current Order	Type	Logical Number	IP Address	Order
1	1	DSIU	100 - 111		<input type="text" value="1"/>
5	2	SLIB24	112 - 135		<input type="text" value="2"/>
6	3	DTIB24	136 - 159		<input type="text" value="3"/>
7	4	SLIB24	160 - 183		<input type="text" value="4"/>
10	5	WTIB	184 - 191		<input type="text" value="5"/>
11	6	SLIB12	192 - 203		<input type="text" value="6"/>
15	7	DTIB12	204 - 215		<input type="text" value="7"/>
16	8	DTIB24	216 - 239		<input type="text" value="8"/>
19	11	DTIM8	304 - 311	192,168,123,32	<input type="text" value="11"/>
88	9	SIP	240 - 271		<input type="text" value="9"/>
99	10	IPP	272 - 303		<input type="text" value="10"/>
<input type="button" value="Save"/>					
<input type="button" value="Reset System"/>					

[COL][STA][VMIB]					
CO Logical Slot Assignment					
Slot No.	Current Order	Type	Logical Number	IP Address	Order
2	1	VOIB24	1 - 24	10,10,10,2	<input type="text" value="1"/>
4	2	LCOB8	25 - 32		<input type="text" value="2"/>
9	3	PRIB	33 - 62		<input type="text" value="3"/>
12	4	LCOB12	63 - 74		<input type="text" value="4"/>
<input type="button" value="Save"/>					
<input type="button" value="Reset System"/>					

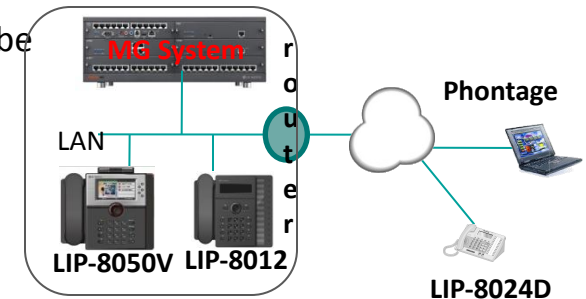
[COL][STA][VMIB]					
VMIB Logical Slot Assignment					
Slot No.	Current Order	Type	Logical Number	IP Address	Order
0	1	AAFU	1 - 4	192,168,123,40	<input type="text" value="1"/>
3	2	VMIB	5 - 12	10,10,10,3	<input type="text" value="2"/>
<input type="button" value="Save"/>					
<input type="button" value="Reset System"/>					

IP Phone Registration

IP Extension – IP Phone (System Programming)

IP phones (LIP-8000/7000 series) can be registered in iPECS-MG, which can be installed in the company LAN or outside. To be registered IP Phone number including Phontage) is programmable and the maximum simultaneous call depends on the VOIB/VOIU channels.

- 1) IPP should be configured in 'STA Slot' order in advance
- 2) IP Phone can be registered through MAC authentication or station number authentication



Logical Slot Assignment

Station Logical Slot Assignment					
99	10	IPP	272 - 303	2)	10

SIP / IP Phone Slot				
Slot No.	Logical No.	Type	No. of Port	
88	STN 141 - 172	SIP	32	[240:N/A][241:N/A] [248:N/A][249:N/A] [256:N/A][257:N/A] [264:N/A][265:N/A]
99	STN 173 - 204	IPP	32	[272:N/A][273:N/A] [280:N/A][281:N/A] [288:N/A][289:N/A] [296:N/A][297:N/A]

IP Phone Registration Table

Index : [1-50][51-100][101- 150][151-200]			
Bin No.	Mac Address	ID	Password
1	001a7ea44b0e		
2			

IPP Configuration for IP phone:

- 1) Assign max. IP Phone no. to be registered in PGM 104
- 2) Assign station order to IPP (slot 99) in PGM 103
- 3) Reset the system for configuration
- 4) Check station range for IP Phone in PGM 101

Registering the MAC address of IP phones (only for MAC auth) :

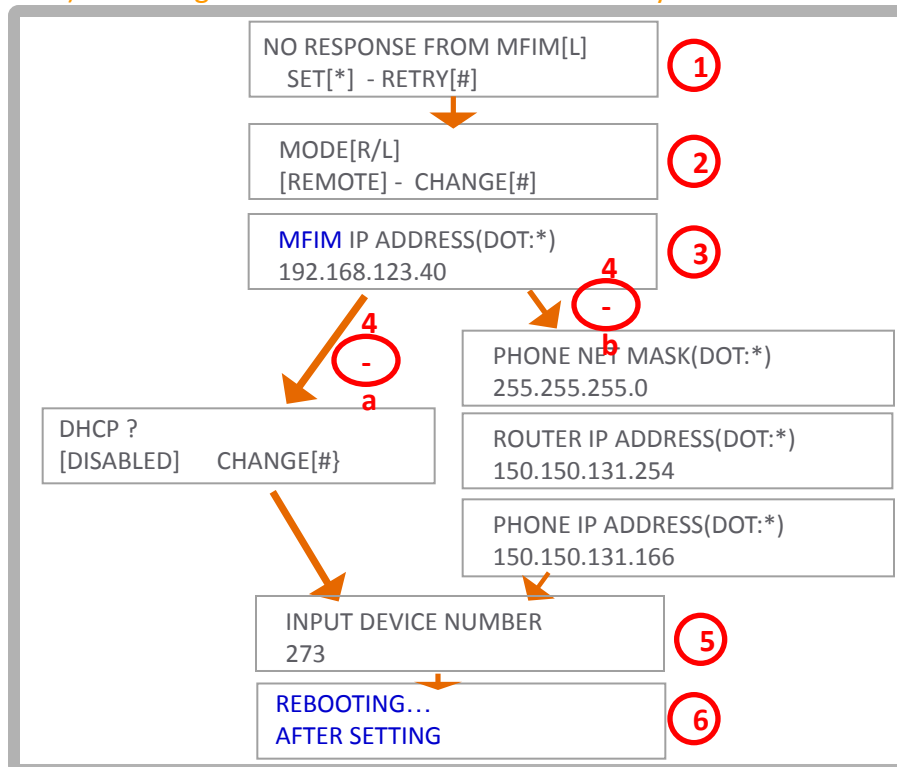
- 5) Input the MAC address of IP Phones in IP Phone Registration Table (PGM 106)

IP Phone Registration

IP Extension – IP Phone Configuration

IP Phone should be programmed on the phone.

- 1) Install the IP Phone and Cabling
- 2) Setting the Mode as Remote (iPECS-MG only supports remote mode.)
- 3) Setting the IP address of system (MPB)
- 4) Setting the IP address of IP Phone : At home => DHCP mode , at company => Fixed or DHCP
- 5) Setting the INPUT DEVICE NUMBER (only for STA number auth) : this is the STA number of iPECS-MG system
- 6) Rebooting. IP Phone tries to connect to the system and connected.



- 1) Power on the IP Phone. the following message will be displayed on LCD. Press "*" to enter the setup. If password requested, press "1 4 7 *" by default.
- 2) The following message will be shown. Leave the mode as "Remote" as default set. Move the menu to the next by using Volume up/down button. To change (Toggle) the value press "#".
- 3) Input the **IP Address of system (MPB)**. Press "Hold/Save" button to save. Press "Speaker
- 4-a/b) Set DHCP enabled or input fixed IP address for the IP phone. In general, DHCP mode at home and Fixed IP mode at office.
- 5) **Enter station number to be assigned if STA number registration. Station number allocated for IPP should be entered.**
- 6) Upon completion, press "Hold/Save" then press

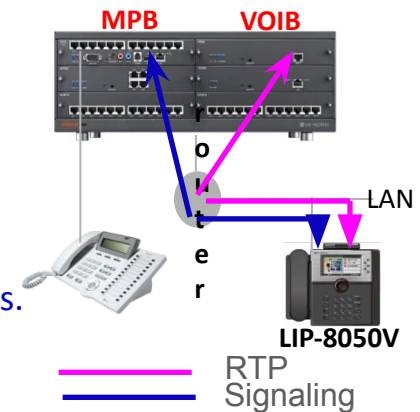
"Speaker. It will be rebooting to get connected to the system.

IP Phone Registration

IP Phone Voice Connection

When IP phone talks to Digital Phone or accesses CO line,
The voice is connected to the associate device through VOIB.
VOIB Channel is allocated to IP Phone from his Zone's VOIB Resource.

The signaling between system and IP/SIP phone is communicated through MPB IP Address.
But the RTP is communicated through VOIB.
This rule is applied to SIP voice connection.



IP Phone/SIP Phone's Zone

Order	Check All	Attribute	Value
1	<input type="checkbox"/>	Zone No (1-9)	1
2	<input type="checkbox"/>	RTP Relay Group	Not Assign
3	<input type="checkbox"/>	Codec Type	FOLLOW ZONE

Zone Attribute

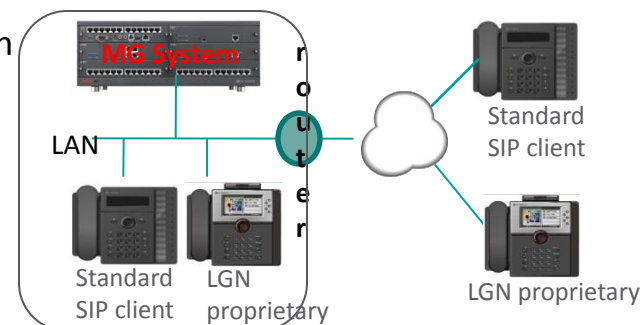
Check All	Attribute	Value	Range
<input type="checkbox"/>	Nation Code	Italy	
<input type="checkbox"/>	Memo		Max 24 Chars
<input type="checkbox"/>	Codec Type	Tenant Group Codec Type[PGM 281]	
<input type="checkbox"/>	RTP Relay Rule	Automatic	
<input type="checkbox"/>	VOIB Slot for RTP Relay	1: 2 2: 3 3: 4 4: 5 5: 6 6: 7 7: 8 8: 9	Max 2 Digits
<input type="checkbox"/>	VMIB Slot	1: 3 2: 4 3: 5 4: 6	Max 2 Digits
<input type="checkbox"/>	Peer To Peer	ENABLE	

SIP Phone Registration

SIP Extension - SIP Phone (System Programming)

Standard SIP phones can be registered in iPECS-MG, which can be installed in the company LAN or outside. To be registered SIP Phone is programmable and the maximum simultaneous call depends on the VOIB/VOIU channels.

- 1) SIP should be configured in 'STA Slot' order in advance
- 2) SIP Phone can be registered through ID & Authentication ID & Password authentication



Logical Slot Assignment

Station Logical Slot Assignment					
88	9	SIP	240 - 271	2)	9

SIP / IP Phone Slot				
Slot No.	Logical No.	Type	No. of Port	
88	STN 141 - 172	SIP 3)	32	[240:N/A][241:N/A] [248:N/A][249:N/A] [256:N/A][257:N/A] [264:N/A][265:N/A]
99	STN 173 - 204	IPP	32	[272:N/A][273:N/A] [280:N/A][281:N/A] [288:N/A][289:N/A] [296:N/A][297:N/A]

SIP Station Basic Registration Table

Index	Station Number	User ID (Max 32)	Authentication ID (Max 64)	Password (Max 32)
1	240	240	bcs	SW 4)
2	241			

SIP Configuration for IP phone:

- 1) Assign max. SIP Phone no to be registered in PGM 104.
- 2) Assign station order to IPP (slot 88) in PGM 103
- 3) Reset the system for configuration

Check station range for SIP Phone in PGM 101 after system booting

- 4) Input the ID/Auth/PSWD of SIP phones in SIP Station Basic Registration Table. (Web Admin, SIP STA Base Registration)

SIP Phone Registration

SIP Extension – SIP Phone Configuration

SIP Phone should be programmed the followings for registration.

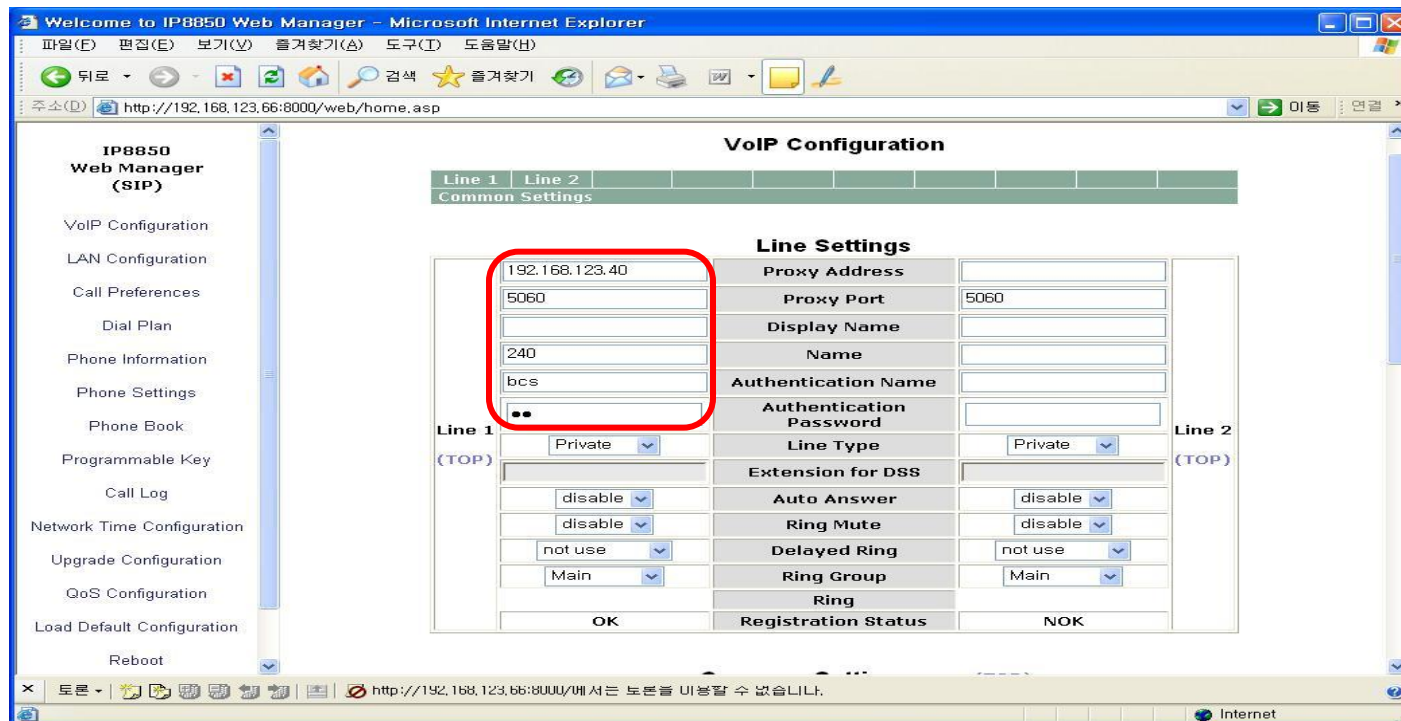
1) Proxy Address, Domain : **MPB IP Address**

2) **Name (or User ID)** : It is mandatory.

3) Authentication Name (or ID)

4) Authentication Password

** For configuration, refer to the SIP phone manual



Welcome to IP8850 Web Manager - Microsoft Internet Explorer

주소(D) http://192.168.123.66:8000/web/home.asp

VoIP Configuration

Line 1	Line 2
Common Settings	
Line Settings Proxy Address: 192.168.123.40 Proxy Port: 5060 Display Name: 240 Name: bcs Authentication Name: bcs Authentication Password: .. Line Type: Private Extension for DSS: disable Auto Answer: disable Ring Mute: disable Delayed Ring: not use Ring Group: Main Ring: OK Registration Status: NOK	

Line 1 (TOP) Private

Line 2 (TOP) Private

Reboot

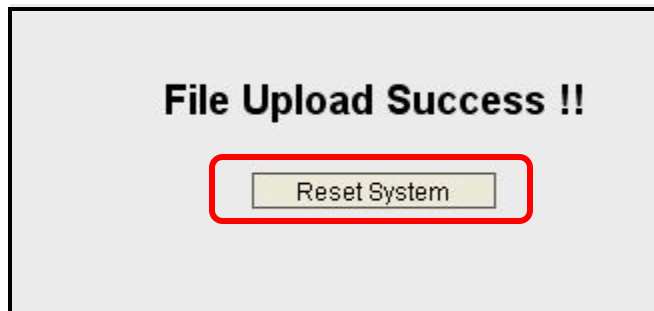
도움말

Internet

MPB Software Upgrade

S/W Upgrade – Web-Admin

System Software can be upgraded through Web-Admin



- 1) Select [S/W Upgrade]
- 2) Click File Upload
- 3) Select 'S/W File' to upgrade
- 4) Click [Upload]

*If file upload succeeds,
a success page will be displayed.*

- 5) Reset the system
Then uploaded s/w is applied.

MPB Software Upgrade

S/W Upgrade – USB

The Attendant can upgrade system through USB memory.
Before upgrading, a user have to save system Rom file
(GS55(56)MXXXX.rom) in USB memory



To upgrade from Attendant:

- 1) Save system Rom file (GS55(56)MXXXX.rom) in USB memory
- 2) Insert the USB memory to the USB port in MPB board.
- 3) Press the **[PGM]** button and Dial '091', the Attendant Station Program code.

MOUNT USB MEMORY
PLEASE WAIT...

- 5) Number of system Rom file in USB memory is displayed.

ROM FILE NUM : TOTAL 2
PRESS 0-1 TO VIEW FILE

- 6) Dial Number of system Rom file to display system Rom file name.

0: GS56MA0Aa.rom
PRESS HOLD TO UPGRADE

- 7) Press the **[HOLD]** button to upgrade system.
- 8) After some minutes, result of upgrade is displayed and Keyset goes to IDLE state.

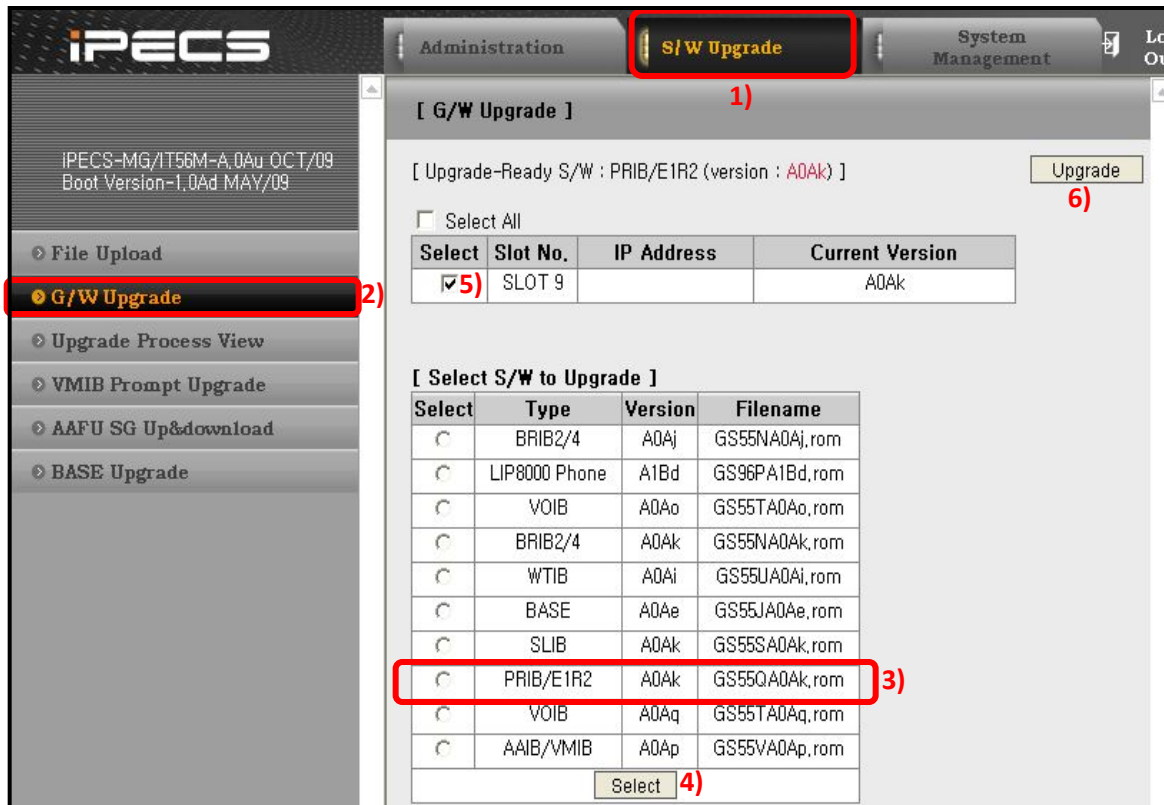
SOFTWARE UPGRADE
USB UPGRADE SUCCESS

- 9) Restart the System.

Device Software Upgrade

Device Software Upgrade

- Upgrade s/w for all ipp cards
 - . Extension – SLIB
 - . CO - PRIB/BRIB/VOIB
 - . Function cards - VMIB/AAIB
- IP phone software
 - . Lip Phone
- iPECS Gateway software
 - . DTIM/SLTM



iPECS Administration S/W Upgrade

[G/W Upgrade] 1)

[Upgrade-Ready S/W : PRIB/E1R2 (version : A0Ak)] Upgrade 6)

☐ Select All

Select	Slot No.	IP Address	Current Version
<input checked="" type="checkbox"/> 5)	SLOT 9		A0Ak

[Select S/W to Upgrade]

Select	Type	Version	Filename
<input type="radio"/>	BRIB2/4	A0Aj	GS55NA0Aj,rom
<input type="radio"/>	LIP8000 Phone	A1Bd	GS96PA1Bd,rom
<input type="radio"/>	VOIB	A0Ao	GS55TA0Ao,rom
<input type="radio"/>	BRIB2/4	A0Ak	GS55NA0Ak,rom
<input type="radio"/>	WTIB	A0Ai	GS55UA0Ai,rom
<input type="radio"/>	BASE	A0Ae	GS55JA0Ae,rom
<input type="radio"/>	SLIB	A0Ak	GS55SA0Ak,rom
<input type="radio"/>	PRIB/E1R2	A0Ak	GS55QA0Ak,rom
<input type="radio"/>	VOIB	A0Aq	GS55TA0Aq,rom
<input type="radio"/>	AAIB/VMIB	A0Ap	GS55VA0Ap,rom

Select 4)

1) Select [S/W Upgrade]

2) Click G/W Upgrade

3) Select 'S/W' to upgrade

4) Click [Select]

5) Select 'Board' to upgrade

6) Click [Upgrade]

*Upgrade Process is displayed.
If upload succeeds,
a success page will be displayed.*

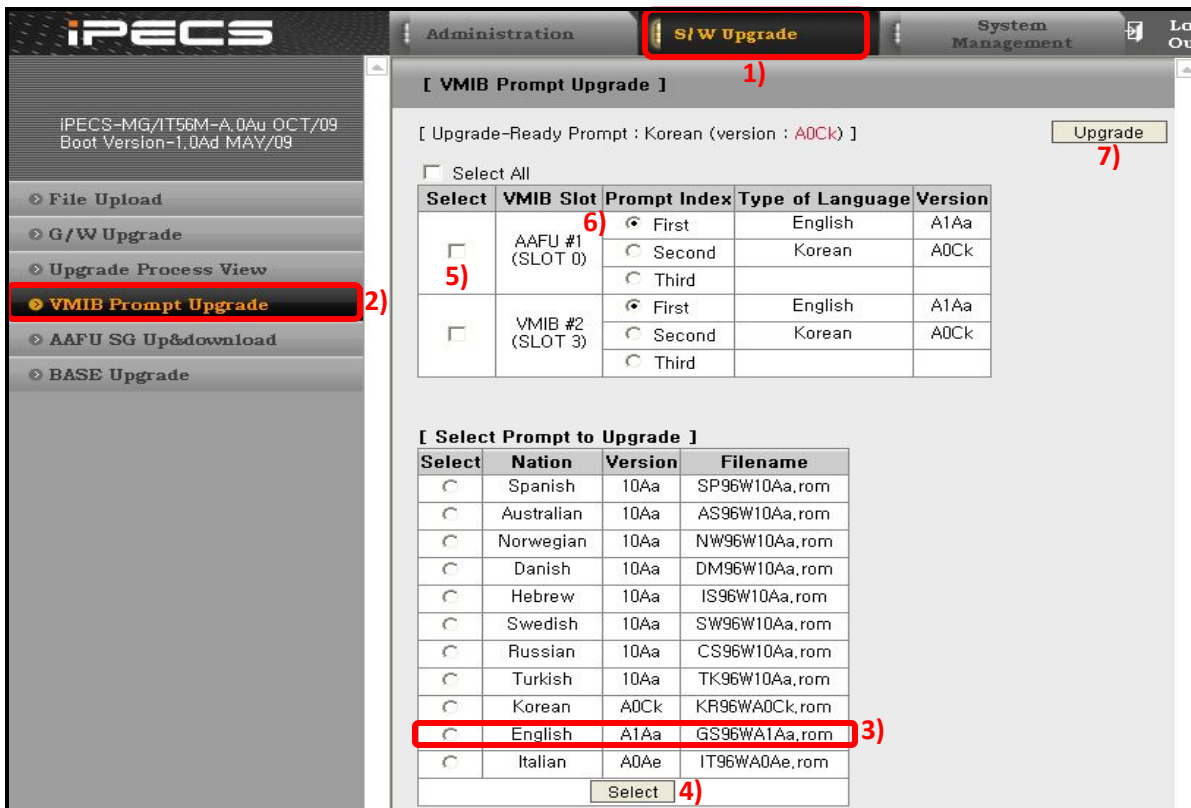
5) The upgraded device is reset automatically.

Note: ROM file must be uploaded first by using "File Upload" menu

VM Prompt Upgrade

Prompt Upgrade – VMIB/AAIB/AAFU

- All Language Prompts are uploaded to MPB when MPB is produced from factory.
- 1 VM board supports 3 Languages.
- Language selection is programmable per station & CO line Base



The screenshot shows the iPECS S/W Upgrade interface. The left sidebar contains a menu with options: File Upload, G/W Upgrade, Upgrade Process View, **VMIB Prompt Upgrade** (highlighted with a red box and labeled 2), AAFU SG Up&download, and BASE Upgrade. The main area is titled 'Administration' and 'S/W Upgrade'. It shows a 'VMIB Prompt Upgrade' section with a table of prompts. The table has columns: Select, VMIB Slot, Prompt Index, Type of Language, and Version. The first row is for 'AAFU #1 (SLOT 0)' and the second is for 'VMIB #2 (SLOT 3)'. The 'Select' column has checkboxes labeled 5). The 'Prompt Index' column has radio buttons labeled 6). The 'Type of Language' column has options: English, Korean, and A0Ck. The 'Version' column has options: A1Aa and A0Ck. An 'Upgrade' button is labeled 7). Below the table is a 'Select Prompt to Upgrade' section with a table of prompts. The table has columns: Select, Nation, Version, and Filename. The 'Select' column has radio buttons. The 'Nation' column has options: Spanish, Australian, Norwegian, Danish, Hebrew, Swedish, Russian, Turkish, Korean, English, and Italian. The 'Version' column has options: 10Aa, A0Ck, and A0Ae. The 'Filename' column has options: SP96W10Aa,rom, AS96W10Aa,rom, NW96W10Aa,rom, DM96W10Aa,rom, IS96W10Aa,rom, SW96W10Aa,rom, CS96W10Aa,rom, TK96W10Aa,rom, KR96WA0Ck,rom, GS96WA1Aa,rom, and IT96WA0Ae,rom. The 'English' row is highlighted with a red box and labeled 3). A 'Select' button is labeled 4).

- 1) Select [S/W Upgrade]
- 2) Click VMIB Prompt Upgrade
- 3) Select 'Prompt' to upload
- 4) Click [Select]
- 5) Select 'Board' to upgrade & Prompt Index
- 6) Click [Upgrade]

*Upgrade Process is displayed.
If upload succeeds,
a success page will be displayed.*

System Greeting Upload/Download

■ System Greeting Upload/Download

- VM System Greeting can be recorded by [Sound Recorder]
- Each S/G can be uploaded or downloaded
- Recorded S/Gs can be downloaded as one merged file
- One merged S/G file can be uploaded to another VMIB/AAIB/AAFU

- AAFU : Up&Download through Web-Admin
- VMIB/AAIB : Up&Download through board Web

VM System Greeting Upload/Download

System Greeting (Individual) – AAFU

1) Each S/G can be uploaded with wav file format



The screenshot shows the iPECS S/W Upgrade interface. The 'S/W Upgrade 1)' tab is selected. Under the 'Individual Upload' sub-tab, the instructions state: 'Select System Greeting Message and Wait for Uploading to End'. It specifies the 'Valid File Name : 1.wav~72.wav or x_1.wav~x_72.wav (x: 1~3)' and notes that the 'Message should be G.711 A-law wave file format' and 'Don't Use Space Character in File Name !!'. There is a 'First' dropdown menu, a text input field, and a 'Browse...' button. An 'Upload' button is at the bottom.

If a user want to upload to type #3 System greeting 25,
1. Select "Third"
2. Upload file name should be 25.wav or 3_25.wav

• Wave File Format : CCITT A-Law, 8000KHz, 8 bit, Mono)

2) Each S/G can be downloaded as wav file format



The screenshot shows the iPECS S/W Upgrade interface with the 'Individual Download' sub-tab selected. It instructs the user to 'Press message for download / Check messages and press [Delete] button'. Below this, there are three columns for different message types: [Type #1], [Type #2], and [Type #3]. Under [Type #1], there are checkboxes for '1.wav' and '2.wav'. Under [Type #2] and [Type #3], it says 'NO SYSTEM GREETINGS'. A 'Delete' button is located to the right of the [Type #3] column.

If a user click 1.wav,
file name is 1_1.wav.
(1 means type #1)

VM System Greeting Upload/Download

System Greeting (All) – AAFU

1)) S/Gs can be uploaded as one merged file



The screenshot shows the IPECS S/W Upgrade interface. The left sidebar contains a menu with options: File Upload, G/W Upgrade, Upgrade Process View, VMIB Prompt Upgrade, **AAFU SG Up&download**, and BASE Upgrade. The main area has tabs for Administration, S/W Upgrade, and System Management. Under S/W Upgrade, there are sub-tabs: Individual Upload, Individual Download, SysGreeting Download, and **SysGreeting Upload** (highlighted with a red box). The main content area displays the text "Select System Greeting File and Wait for Uploading to End" and a table titled "Type of Language".

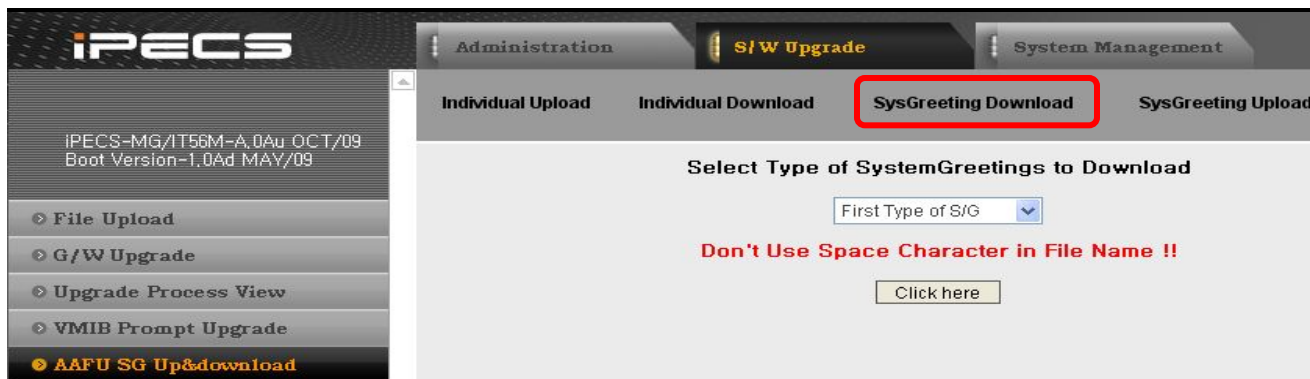
Type of Language	
First	English(US)
Second	Korean
Third	N/A

Below the table, a red warning message states: "Don't Use Space Character in File Name !!". There is a dropdown menu labeled "First" with a blue arrow, followed by a text input field and a "Browse..." button. At the bottom, there is an "Upload" button.

If a user want to upload to type #3 whole System greeting,

1. Select "Third"
2. Upload file name should be
SGTYPE1.rom
SGTYPE2.rom
SGTYPE3.rom

2) Recorded S/Gs can be downloaded as one merged file



The screenshot shows the IPECS S/W Upgrade interface. The left sidebar is the same as in the previous screenshot. The main area has tabs for Administration, S/W Upgrade, and System Management. Under S/W Upgrade, there are sub-tabs: Individual Upload, Individual Download, **SysGreeting Download** (highlighted with a red box), and SysGreeting Upload. The main content area displays the text "Select Type of SystemGreetings to Download" and a dropdown menu labeled "First Type of S/G" with a blue arrow. Below the dropdown, a red warning message states: "Don't Use Space Character in File Name !!". At the bottom, there is a "Click here" button.

File name :
SGTYPE1.rom,
SGTYPE2.rom,
SGTYPE3.rom

example)
1.wav, 21.wav, 71.wav
=> SGTYPE1.rom

VM System Greeting Upload/Download

System Greeting – VMIB/AAIB

- System Greeting of VMIB/AAIB is up&download through board Web.
- VMIB/AAIB's IP Address is assigned PGM 305 (Web-Admin)
- System Greeting up&download procedure is same as AAFU

Find PGM

Hide Menu

- Pre-Programmed Data
- Numbering Plan
- Station Port Data
- Station Number Data
- CO Line Data
- Station Group Data
- System Data
- Table Data
- Tenant Data
- Board Data**
 - ISDN Board Attribute(300)[N]
 - ISDN Clock Priority(301)[N]
 - VOIB/VMIB Board ATTR(305)[N]**

[VOIB/VMIB Board Attributes]

Enter Slot No (0~18) : Load Overview


Slot No : 3

Attribute	Value
IP Address	192.168.123.34
Router IP Address	192.168.123.254
Subnet Mask	255.255.255.0
DHCP Usage	OFF
T38 Usage	OFF
RTP Security	OFF
VLAN (0~4096,none)	<input type="text"/>
Priority (0~7)	0
Diffserv (0~63)	0

iPECS-MG VMIB Web Configuration Pages - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://192.168.123.34/>

 **VMIB**

Home
LAN
Password
Prompt Upload
SG Up&Down
Upload
log
Reset
Logout

Individual Upload Individual Download SysGreeting Download SysGreeting Upload

Select System Greeting Message and Wait for Uploading to End

Valid File Name : 1.wav~72.wav or x_1.wav~x_72.wav (x: 1~3)

Message should be G.711 A-law wave file format

Don't Use Space Character in File Name !!

First Browse...

Upload