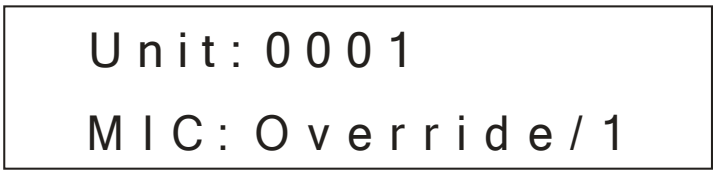
6. Configuration

6.1 Configuration on the SVBLC1

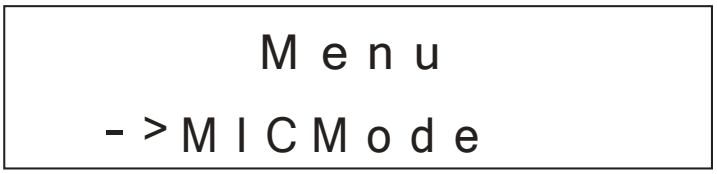
Use the configuration menu of the processor unit to configure the processor and the system.

Main screen



The screen will display as above picture, including the information of total unit quantity '0001' to '4000' , MIC mode 'Override, Voice, Open, Apply' and the maximum active number '1,2,4,6'.

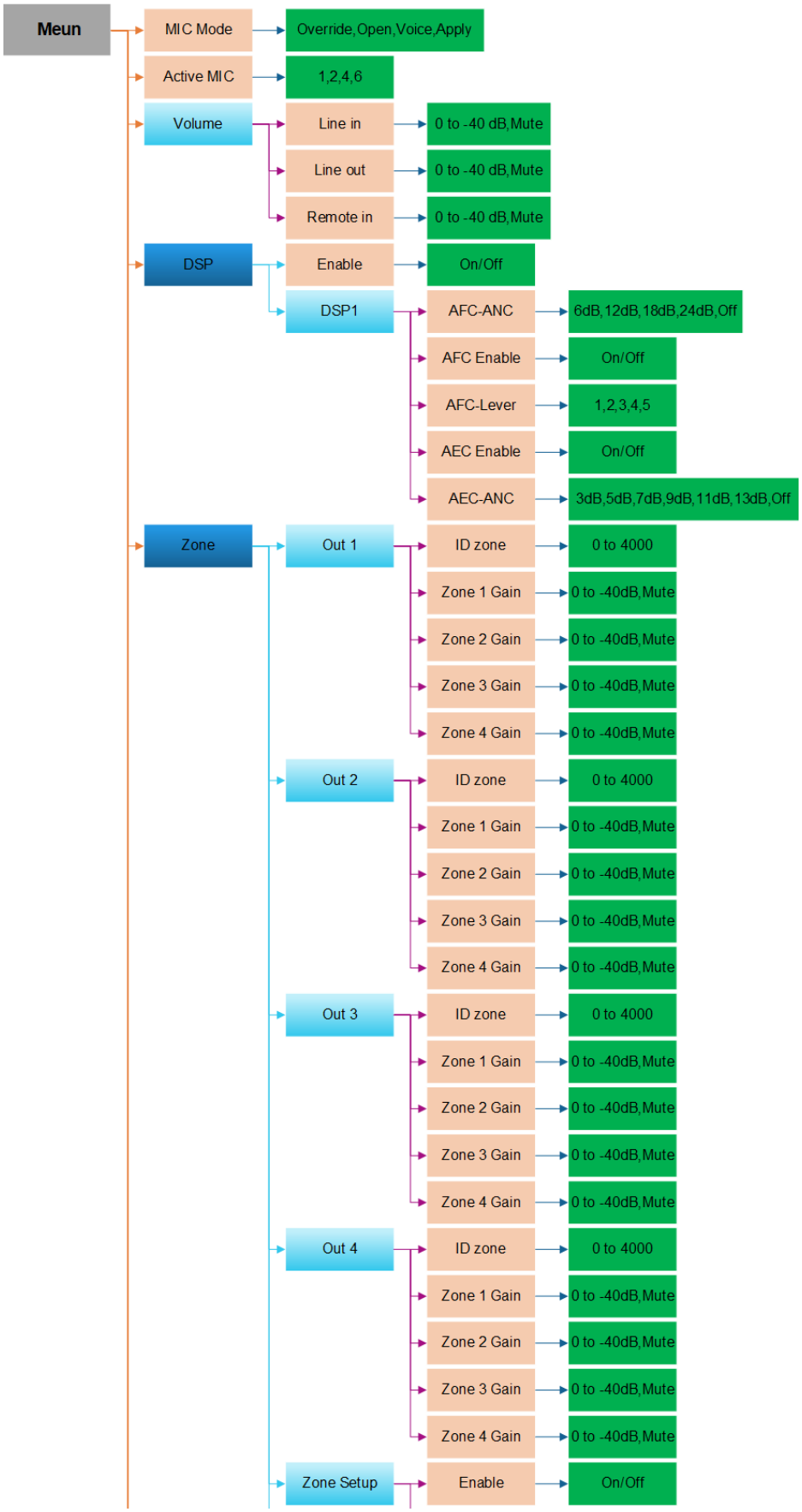
Manu screen

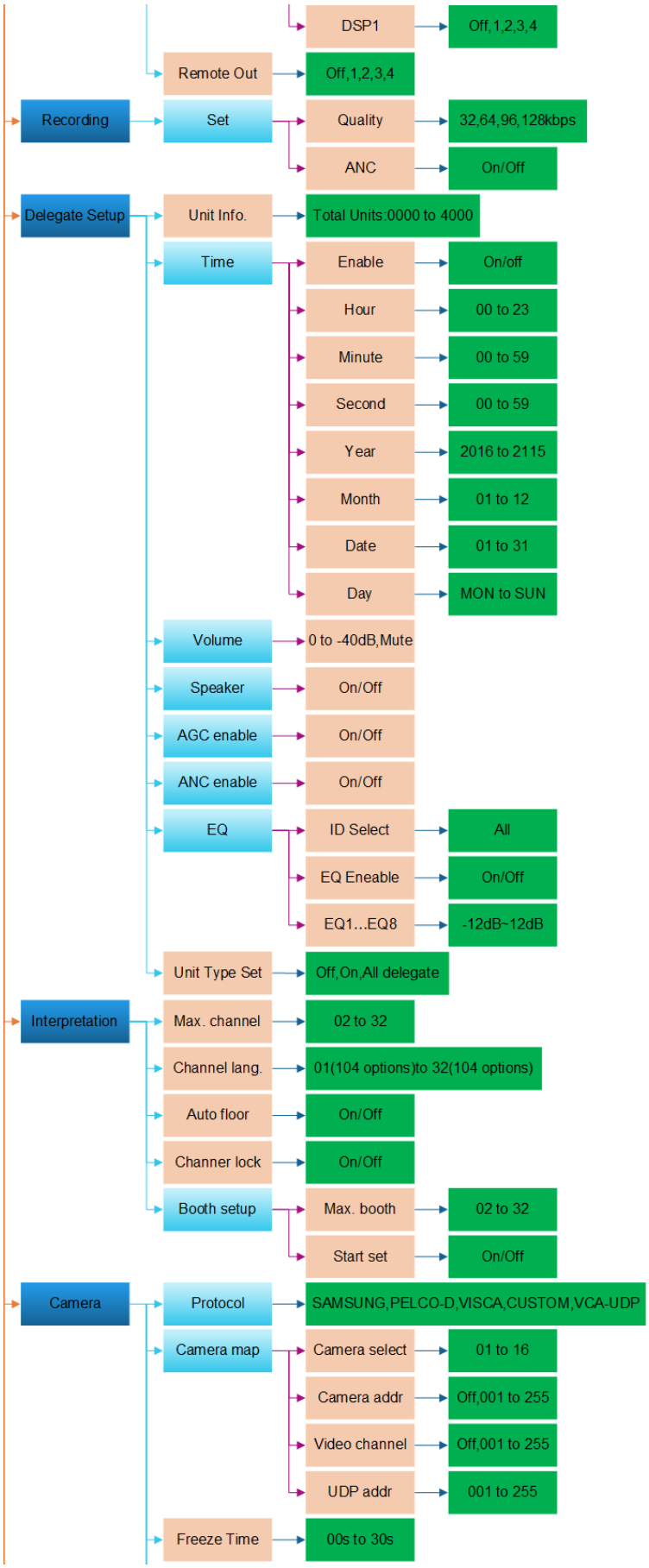


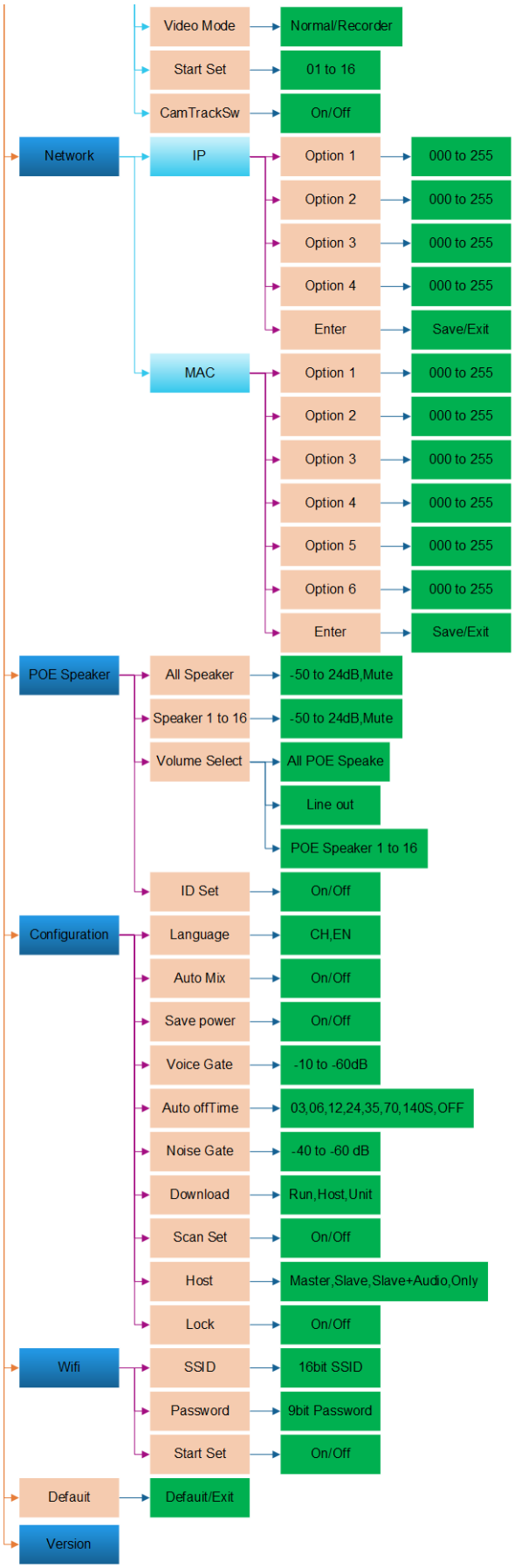
The menu operation buttons '△' ,'▽','ENTER' and 'ESC' is used to browse the menu and set the parameter.

1. Press '△' ,'▽', 'ENTER' and 'ESC' to browse the menu(as the blue sign)
2.Browse to the green sign menu
3.Press '△' ,'▽' to adjust parameters and press the 'ENTER' to confirm the options.

The knob 'Master vol' is used to set the volume of master line out and the value directly display on the LCD. You can reference the bellowing menu structure to set the parameters


Meun
MIC Mode
Override,Open,Voice,Apply
Active MIC
1,2,4,6
Volume
Line in
0 to -40 dB,Mute
Line out
0 to -40 dB,Mute
Remote in
0 to -40 dB,Mute
DSP
Enable
On/Off
DSP1
AFC-ANC
6dB,12dB,18dB,24dB,Off
AFC Enable
On/Off
AFC-Lever
1,2,3,4,5
AEC Enable
On/Off
AEC-ANC
3dB,5dB,7dB,9dB,11dB,13dB,Off
Zone
Out 1
ID zone
0 to 4000
Zone 1 Gain
0 to -40dB,Mute
Zone 2 Gain
0 to -40dB,Mute
Zone 3 Gain
0 to -40dB,Mute
Zone 4 Gain
0 to -40dB,Mute
Out 2
ID zone
0 to 4000
Zone 1 Gain
0 to -40dB,Mute
Zone 2 Gain
0 to -40dB,Mute
Zone 3 Gain
0 to -40dB,Mute
Zone 4 Gain
0 to -40dB,Mute
Out 3
ID zone
0 to 4000
Zone 1 Gain
0 to -40dB,Mute
Zone 2 Gain
0 to -40dB,Mute
Zone 3 Gain
0 to -40dB,Mute
Zone 4 Gain
0 to -40dB,Mute
Out 4
ID zone
0 to 4000
Zone 1 Gain
0 to -40dB,Mute
Zone 2 Gain
0 to -40dB,Mute
Zone 3 Gain
0 to -40dB,Mute
Zone 4 Gain
0 to -40dB,Mute
Zone Setup
Enable
On/Off


DSP1
Off,1,2,3,4
Remote Out
Off,1,2,3,4
Recording
Set
Quality
32,64,96,128kbps
ANC
On/Off
Delegate Setup
Unit Info.
Total Units:0000 to 4000
Time
Enable
On/off
Hour
00 to 23
Minute
00 to 59
Second
00 to 59
Year
2016 to 2115
Month
01 to 12
Date
01 to 31
Day
MON to SUN
Volume
0 to -40dB,Mute
Speaker
On/Off
AGC enable
On/Off
ANC enable
On/Off
EQ
ID Select
All
EQ Eneable
On/Off
EQ1...EQ8
-12dB~12dB
Unit Type Set
Off,On,All delegate
Interpretation
Max. channel
02 to 32
Channel lang.
01(104 options)to 32(104 options)
Auto floor
On/Off
Channer lock
On/Off
Booth setup
Max. booth
02 to 32
Start set
On/Off
Camera
Protocol
SAMSUNG,PELCO-D,VISCA,CUSTOM,VCA-UDP
Camera map
Camera select
01 to 16
Camera addr
Off,001 to 255
Video channel
Off,001 to 255
UDP addr
001 to 255
Freeze Time
00s to 30s


Video Mode
Normal/Recorder
Start Set
01 to 16
CamTrackSw
On/Off
Network
IP
Option 1
000 to 255
Option 2
000 to 255
Option 3
000 to 255
Option 4
000 to 255
Enter
Save/Exit
MAC
Option 1
000 to 255
Option 2
000 to 255
Option 3
000 to 255
Option 4
000 to 255
Option 5
000 to 255
Option 6
000 to 255
Enter
Save/Exit
POE Speaker
All Speaker
-50 to 24dB,Mute
Speaker 1 to 16
-50 to 24dB,Mute
Volume Select
All POE Speake
Line out
POE Speaker 1 to 16
ID Set
On/Off
Configuration
Language
CH,EN
Auto Mix
On/Off
Save power
On/Off
Voice Gate
-10 to -60dB
Auto offTime
03,06,12,24,35,70,140S,OFF
Noise Gate
-40 to -60 dB
Download
Run,Host,Unit
Scan Set
On/Off
Host
Master,Slave,Slave+Audio,Only
Lock
On/Off
Wifi
SSID
16bit SSID
Password
9bit Password
Start Set
On/Off
Default
Default/Exit
Version

For example, we want to set the active MIC as 6 and operate as bellowing,

1. From the main screen, press the button 'Enter' to get the menu screen as bellowing,

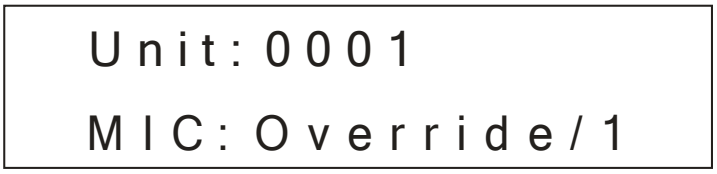
2. Press the button '▽'

3. Press the button 'ENTER'

4. Press the button '▽' to select the '6'

5. Press button 'ENTER' to confirm the option and the setting is done.

6. Press the button 'ESC' back to the main menu.



6.1.1 DSP Menu

Use the menu items in 'DSP' sub-menu to set to get the sound effect for the whole system.

Menu item	Parameter	Value	Description
Enable	--	On/Off	Turn on or off the DSP sound effect processor--If the customer needs to test the original sound effect of the conference system or the processing effect of external audio equipment, the DSP processor can be turned off here.
DSP1	AFC-ANC	6dB,12dB,18dB, 24dB,Off	1. When the audio partition function is turned off (select the menu 'Zone'-->'Zone Setup'-->'Enable'-->'off''), DSP1 processes the output audio of OUT1, OUT2, OUT3, OUT4 at the same time, this The four-way output audio is the same.
			2. When the audio partition function is turned on (select the menu 'Zone'-->'Zone Setup'-->'Enable'-->'on'), DSP1 can only choose to process one of OUT1, OUT2, OUT3 or OUT4.
	AFC Enable		ANC (Dynamic Noise Control) - adjustable noise cancellation, Off means no cancellation, 24dB is the highest noise cancellation.
	AFC-Lever	1,2,3,4,5,	AFC (Acoustic Feedback Cancellation) - used to prevent or suppress acoustic feedback, the feedback energy can be divided into 5 levels.
	AEC Enable	On/Off	AEC (Acoustic Echo Cancellation)--If the echo cancellation function is used, it needs to be set to on, andthe input channel IN2 must be used to access the sound of the remote terminal, and the output channel OUT4 will be output to the remote terminal for the function to take effect.
	AEC-ANC	3dB,5dB,7dB,9dB, 11dB,13dB, Off	AEC (Echo Cancellation)--Noise suppression level, Off means no suppression.

6.1.2 Zone Setup

Use the menu to set the volume of the different audio zones in the 'Zone' submenu:
The default value of the zone function is 'off' (menu 'Zone Setup'-> 'Enable'->'off'), and the AEC echo cancellation under DSP1 is also 'off' by default (refer to the menu 'DSP'->' Description of DSP1'->'AEC').Audio output 'OUT1', OUT2', OUT3' and 'OUT4' output the same audio.
If you use the zone function, you need to open the audio zone function (menu 'Zone'-> 'Zone Setup'-> 'Enable'->'on'), and set other submenus under the 'Zone' menu, as shown in the table below.

Menu item	Parameter	Value	Description
Out **1**	ID zone	X1(1~4000)	Output 1 to audio zone zone 1. ID zone--that is, set in the zone1 area, the ID range of the microphone, the default ID starts from 1, and if the ID zone is set to X1 (between 1 and 4000), the microphone ID of zone 1 is 1 to X1. Zone 1 Gain--Set the gain of the microphone in the zone 1 to the output OUT1, mute. Zone 2 Gain--Set the gain of the microphone in the zone 2 to the output OUT1, mute. Zone 3 Gain--Set the gain of the microphone in the zone 3 to the output OUT1, mute. Zone 4 Gain--Set the gain of the microphone in the zone 4 to the output OUT1, mute.
	Zone 1 Gain	0 to -40dB,Mute	
	Zone 2 Gain	0 to -40dB,Mute	
	Zone 3 Gain	0 to -40dB,Mute	
	Zone 4 Gain	0 to -40dB,Mute	
OUT**2**	ID zone	X2(X1+1to 4000)	Out 2 output to audio zone zone 2. ID zone--that is, set in zone 2, the ID range of the microphone, the default ID starts from X1+1, set the ID zone to X2 (between X1+1~4000), then the microphone ID of zone 1 is X1+ 1 to X2. Zone 1 Gain--Set the gain of the microphone in Zone 1 to output OUT2, mute. Zone 2 Gain--Set the gain of the microphone in Zone 2 to output OUT2, mute. Zone 2 Gain--Set the gain of the microphone in Zone 3 to output OUT2, mute. Zone 4 Gain--Set the gain of the microphone in Zone 4 to output OUT2, mute.
	Zone 1 Gain	0 to -40dB,Mute	
	Zone 2 Gain	0 to -40dB,Mute	
	Zone 3 Gain	0 to -40dB,Mute	
	Zone 4 Gain	0 to -40dB,Mute	
OUT**3**	ID zone	X3(X2+1to 4000)	Output 3 to audio zone zone 3. ID zone--that is, set the ID range of the microphone in the Zone 3 area. The default ID starts from X2+1. If the ID zone is set to X3 (between X2+1 and 4000), the microphone ID of Zone 1 is X2+ 1 to X3. Zone 1 Gain--Set the gain of the microphone in Zone 1 to output OUT3, mute. Zone 2Gain--Set the gain of the microphone in Zone 2 to the output OUT3, mute. Zone 3 Gain--Set the gain of the microphone in Zone 3 to output OUT3, mute. Zone 4 Gain--Set the gain of the microphone in Zone 4 to output OUT3, mute.
	Zone 1 Gain	0 to -40dB,Mute	
	Zone 2 Gain	0 to -40dB,Mute	
	Zone 3 Gain	0 to -40dB,Mute	
	Zone 4 Gain	0 to -40dB,Mute	
OUT**4**	ID zone	X4(X3+1to 4000)	Output 4 to the audio zone Zone 4. ID Zone--that is, the ID range of the microphone set in Zone 4, the default ID starts from X3+1, and the ID zone is set to X4 (between X3+1~4000), then the microphone ID of Zone 4 is

			X3+ 1 to X3.
	Zone 1 Gain	0 to -40dB,Mute	Zone 1 Gain--Set the gain of the microphone in Zone 1 to output OUT4, mute.
	Zone 2 Gain	0 to -40dB,Mute	Zone 2Gain--Set the gain of the microphone in Zone 2 to the output OUT4, mute.
	Zone 3 Gain	0 to -40dB,Mute	Zone 3 Gain--Set the gain of the microphone in Zone 3 to output OUT4, mute.
	Zone 4 Gain	0 to -40dB,Mute	Zone 4 Gain--Set the gain of the microphone in Zone 4 to output OUT4, mute.
Zone Setup	Enable	On/off	Turn on or off the audio partition function.
	DSP1	Off,1,2,3,4	When the audio partition function is turned On, DSP1 can choose to process one output among OUT1, OUT2, OUT3, OUT4, or choose not to process 'Off'
Remote Out	--	Off,1,2,3,4	For remote audio output channel selection, it is necessary to set the Zone audio partition function to open (Menu 'Zone'--> 'Zone Setup'--> 'Enable'-->'on', the channel selected as the remote audio output, IN2 (Remote In) The audio of the remote input will not be mixed to this output, and multiple selections can be made. For example, if the selected values are '1' and '4', the output channels OUT1 and OUT4 will not be mixed withthe input audio output of IN2. Note: DSP (menu DSP-->Enable) is turned on, and AEC (menu DSP-->DSP1-->AEC) is also turned on, the remote output of OUT4 channel has AEC echo cancellation processing (remote sound will also be processed by local amplification It is collected by the local microphone and needs to be processed before it is transmitted to the remote).

Application:

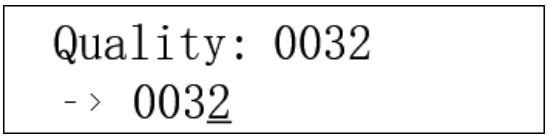
Application 1 :Change the sensitive of MICs. There are two MICs on the chairman desk, we need to reduce the gain of MICs on the chairman desk. Just change the gain of zone where are MICs on the chairman desk.

Application 2. Increase the sounding gain. There are only MICs on the rostrum, and then we increase the output gain on the auditorium.

USB Recording Setup

Use the menu items in 'Recording' sub-menu to set the recording parameters.

Menu item	Parameter	Value	Description
Set	Quality	32,64,96,128kbps	Set the audio quality of MP3 for USB recording
	ANC	On/Off	



6.1.3 Delegate Setup

Use the menu items in 'Delegate Setup' sub-menu to set the delegate relative setting.

Menu item	Parameter	Value	Description
Unit Info.	Total Units	0000~4000	Show the quantity of delegates/chairman units that connected to the system and help to check the system fault.
Time	Enable Hour Minute Second Year Month Date Day	On/Off 00 to 23 00 to 59 00 to 59 2016 to 2115 01 to 12 01 to 31 MON to SUN	Set the time display on the whole system, including the OLED display in the delegate unit. If set the'Enable' to off, the clock do not display on the delegate unit.
Volume	-	0 to -40 dB, mute	Set the volume for the speakers and headphone on the delegate units.
Speaker	-	On/Off	Turn on/off the speaker on the delegate units.(not include the interpreter unit)
AGC enable	-	On/Off	
ANC enable	-	On/Off	Reduce the noise for speaker and headphone on delegates.(Note: Any noise reduction technology will affect the audio quality, if customer pursue tone quality, please set off the ANC)
EQ	ID Select EQ Enable EQ1...EQ8	All On/Off 00dB/12dB/12dB	8 level of EQ adjustment
Unit Type Set	-	Off, On, All delegate	Reference to the 6.2.2

6.1.4 Interpretation Setup

Use the menu items in 'Interpretation' sub-menu to set the interpretation relative setting.

Menu item	Parameter	Value	Description
Max. channel	-	02 to 32	Limit the channel number according to the need and reduce the operation on delegate units.
Channel	00 01 ... 32	Chinese,English,...(10 4 languages) Chinese,English,...(10 4 languages)	Set each Channel to bind with a language.

		Chinese, English,...(104 languages)	
Auto floor	-	On/Off	On-The interpreter close the MIC on a channel, the audio in this channel is switched to floor audio. Off-The interpreter switch off the MIC and keep the same audio output on the channel.
Channel lock		On/Off	On-The interpreter unit cannot be changed the output channel. Off-The interpreter unit can be changed the output channel.
Booth setup	Max. booth Start set	02 to 64 On/Off	Max. booth--set the booth quantity. On--All interpreter units will show the booth number for options. Press the MIC on interpreter unit to select the booth no. The interpreter units in the same booth should be the same. Off--finish setting. Note: The speakers of the interpreters will be off, if turn on the MIC of interpreter in the same booth

6.1.5 Camera Auto-tracking Setup & Application

Use the menu items in 'Camera' sub-menu to set the Camera auto tracking relative setting.

Menu item	**Parameter**	**Value**	**Description**
Protocol	-	SAMSUNG,PELCO-D,VISCA,CUSTOM, VCA-UDP	Select the protocol according to the camera model, The value 'CUSTOM' mean the processor connect the camera tracking controller VIS-MSDI and the preset information is saved on the camera controller and don't need to set the sub-menu 'Camera map' and 'Start Set'
Camera map (Note: If you use the cameras using SAMSUNG or PELCO-D protocol need to set this menu. Use VISCA protocol, no need to set this menu)	Camera select Camera addr. Video channel UDP addr	001 to 016 Off,001to 255 Off,001 to 255 Off,001 to 255	**Camera select**--select the camera to setup, there totally support 16 cameras. **Camera addr.**--set the camera address for the camera selected on submenu 'Camera select'.(if SAMSUNG,PELCO-D need to set the address, VISCA is not need to set as Off) **Video channel**--Bind the camera(which set on submenu 'camera select') to the video channel number of video switcher, .(There are no video switcher connected to the main unit for camera tracking by RS232, just set as Off.) **Note:** To set next camera, we just repeat the same

			steps: 'Camera Select->'Camera addr' ->'Video channel' The main unit will record every times of setup for each cameras. **UDP addr--Bind the IP of the network camera, if you choose VCA-UDP protocol control, you need to set the camera IP.**
Start Set	-	01 to 16	Select the camera no.1 to 16 to start the camera tracking setting. Step 1:Select "01" on main unit for no.1 camera Step 2: Adjust the camera to shoot the microphone. Step 3: Press ON and press Off the microphone that camera are shooting Step 4: Adjust the camera to shoot the **next** microphone. Step 5: Press ON and press Off the microphone that camera are shooting Step 6:Repeat the step 2 to step 5 until you preset all position for the camera '01' Step 7: Select "02" on main unit for no.2 camera Step 8: Repeat the step 2~step 6 to finish the camera '02'. More camera are set as the same way. Step 9:After setting the last microphone (on and off the MIC),we can adjust the camera to give a full view of the meeting and press 'ESC' to quit from the menu of 'Start Set'. The preset of full view will be active while there are no microphone on. Note: When exit the camera setting, the system will record the final camera position as the full view preset, so we finish the setting of last MICs covered by this camera, we need to adjust the camera to get the full view preset and next to exit the setting of the camera. (You can consider the chairman unit as the full view preset.)

Example

here we need to set up 2 cameras with VISCA, SAMSUNG/ PELCO-D or CUSTOM protocol and switch the video by a video switcher or camera auto-tracking controller VIS-MSDI

Step 1.Connect the main unit to the cameras or camera auto-tracking controller VIS-MSDI with the bottom CONTROL port.

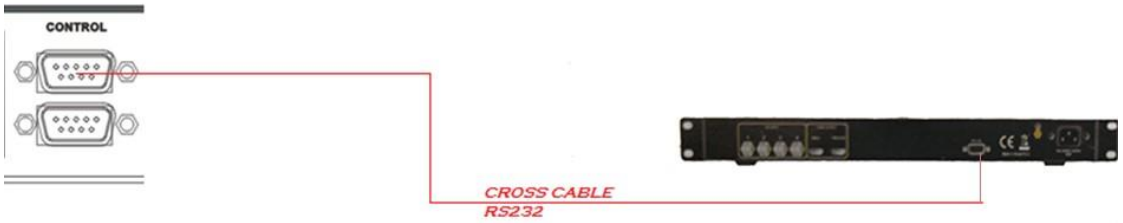
1. Use the VISCA protocol camera

2. Use the SAMSUNG/ PELCO-D protocol camera

Step 2. Use CUTOM protocol and camera tracking controller to take charge of camera tracking.

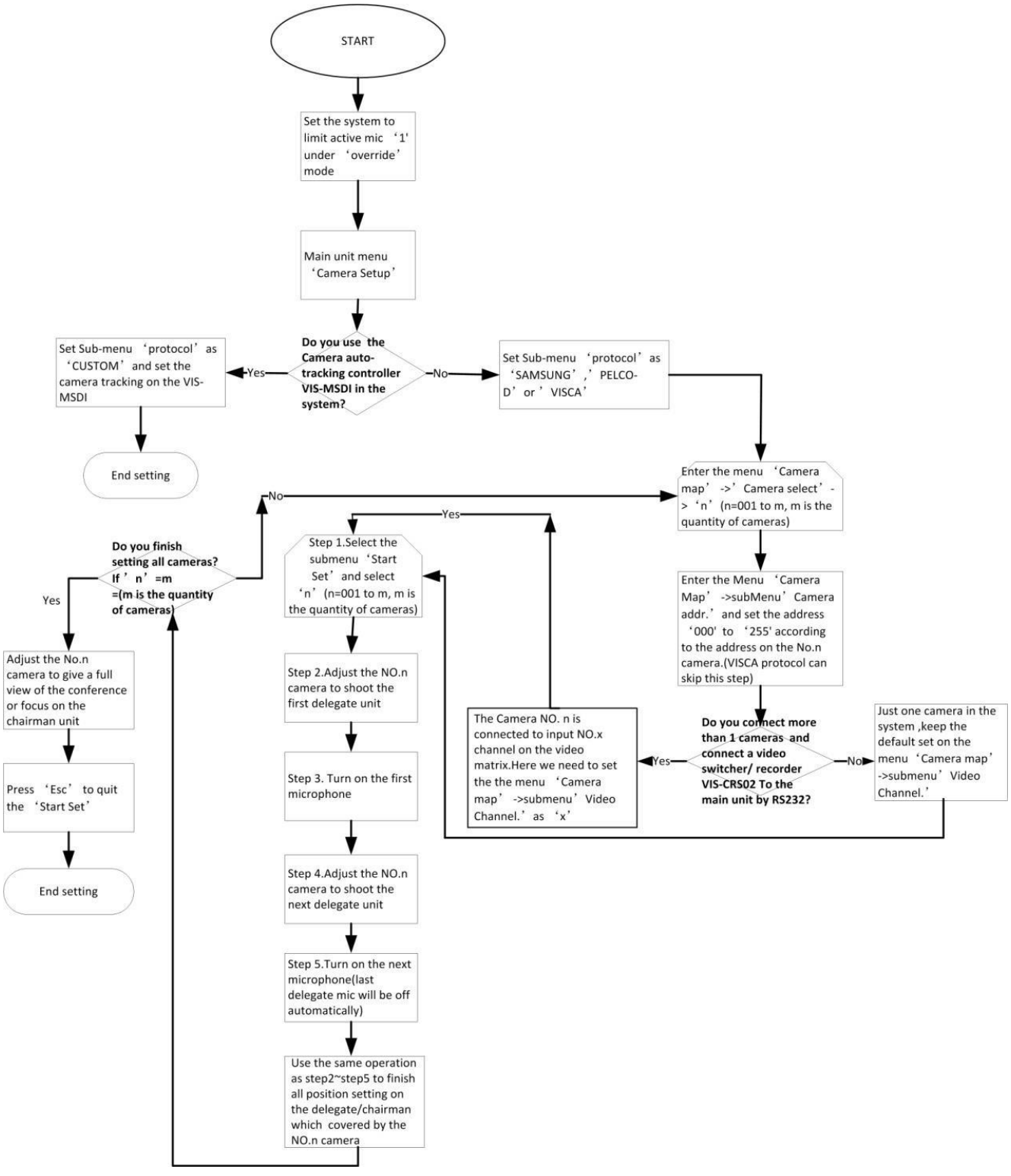
We need to connect the 232 of the automatic tracking controller or the integrated computer to the upper control port of the CONTROL of the conference processing controller.

1. RS232 controls HD camera automatic tracking controller VIS-CATC-A.



2. RS232 control conference tracking and recording all-in-one machine VIS-CRS05-A.

Step 3 Set the camera information to the main unit by the front panel and adjust camera to shoot the position by remote controller ,keyboard controller as the bellowing step flow.



6.1.6 Network Setup

Use the menu items in 'Network' sub-menu to set the IP address and MAC for processor unit.

Menu item	Parameter	Value	Description
IP	Option 1	000 to 255	Set the static IP for the processor.

	Option 2 Option 3 Option 4 Enter	000 to 255 000 to 255 000 to 255 Save/Exit	Default IP address:192.168.10.100 Port:10166
MAC	Option 1 Option 2 Option 3 Option 4 Option 5 Option 6 Enter	000 to 255 000 to 255 000 to 255 000 to 255 000 to 255 000 to 255 Save/Exit	Set the MAC address for the processor. Note: The MAC need to be different in the same local area network.

6.17 POE Speaker

Enter the menu 'POE Speaker'

Menu	Parameter	Value	Description
ALL Speaker	---	-50 to 24dB,Mute	Set the volume of all POE speakers.
Speaker 1 to 16	---	-50 to 24dB,Mute	The volume of a speaker can be adjusted according to the ID of the POE speaker, and the volume of a maximum of 16 POE speakers can be adjusted.
Volume Select	All POE Speaker Line out POE Speaker 1 to 16	---	All POE Speaker: Select this item, the knob on the front panel of the main unit will adjust the volume of the POE speaker; Line out: select this item, the knob on the front panel of the controller will adjust the output volume of the controller POE Speaker 1 to 16: Select a POE speaker, and adjust the speaker volume through the knob on the front panel of the controller.
ID Set		On/Off	POE speaker ID mode, open or close.

6.18 Configuration Setup

Use the menu items in 'Configuration ' sub-menu to set the parameter for global system.

Menu item	**Value**	**Description**
Language	CN/EN	Change the language for main unit and delegate units (Note: We can

		change the language according to your need by updated the firmware)
Auto Mix	On/off	Auto MIX ON/OFF
Voice Gate	-10dB~ -60dB	In the voice control mode, the volume threshold required to trigger the microphone to automatically turn on can be set.
Auto off Time	3s,6s,12s,24s,35s,70s,140 s	In the voice control mode, you can set the time when the microphone is turned on and off automatically.
Delay time	10ms~30ms	The default setting is 15ms,other options are only for test
Save power	On/Off	Note: Not ready, plan for system power saving.
Download	Run/Host/Unit	The default setting is 'Run' to keep the system run faster. When we need to update the firmware for the processor, we select 'Host' .When we need to update the firmware for the delegate units, we select 'Unit' (Note: Don't change the default setting 'RUN', Only if you need to update the system.)
Scan Set	On/Off	Default is off, when scan set is on, the system will check the ID of delegate units when boot up, if there are ID conflict, those conflicting MICs will be flashing.
Host	Master,Slave,Slave+Audi o,Only	When the conference system uses the connection structure of dual-machine backup, one conference processor can be selected as the master, the other one is the slave, and the slave audio output Slave+Audio can be selected. In normal connection mode, the default setting of the master Only.
Lock	On/Off	Panel lock, turn On or turn off Off; after opening, the panel button will be locked, at this time, you need to long press ENTER to unlock.

6.1.9 WIFI communication setup

Menu item	**Value**	**Description**
SSID	16 bits	16 bits SSID,Default setting is WIFI_CONFERENCE
PASSWORD	9 bits	9 bits password for communication between main unit to the delegate unit, default password is 88888888
Start Set	On/Off	The default setting is OFF. If set as "On", the main unit will send the new SSID and PASSWORD to the wireless delegate/chairman unit. After all delegate/chairman unit is received the new SSID and PASSWORD, please set the 'START SET 'menu as Off.

		Please reboot the wireless delegate/chairman unit and allwireless unit is not able to connect to the main unit after update the SSID and PASSWORD. Please visit the wireless AP VIS-AP4C by browser on PC, set the same SSID and PASSWORD on the VIS-AP4C. After corrective setting, wireless unit and main unit can communicate again.

6.1.10 'Default' setting

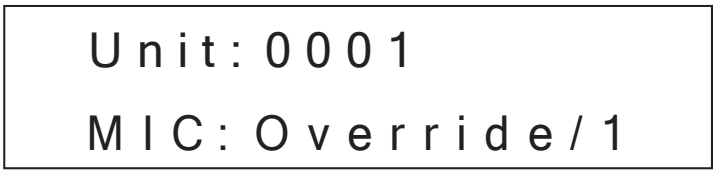
For urgent situation or wrong setting on the parameters, the 'Default' setting can set the main unit to the factory default setting.

6.2 Configuration on the contribution units

After connection all the units, we need to set the ID for every contribution units. If there are installed all VIS-DIC-T, and need to set them as chairman unit, delegate unit, interpreter unit or VIP, we need to set the unit type.

6.2.1 Set the ID for the delegate/chairman unit

The LCD display are working on the main screen.
Main screen

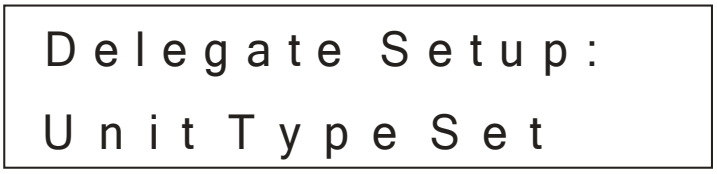


Press the button 'ESC' around 2 seconds on processor unit, the display will show the ID setting interface.

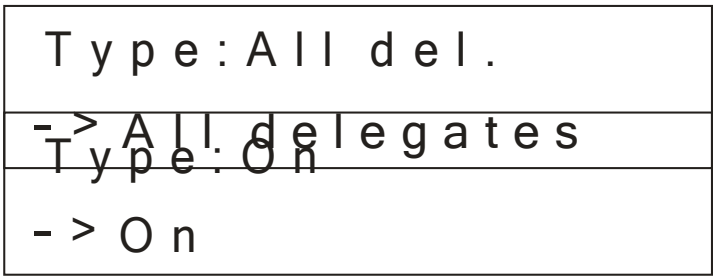
Just press the MIC button on every delegate/chairman units one by one and set the ID for them.
Press the button "ESC' around 2 seconds on the processor unit, the display exit from the 'Setting ID...' interface and back to main screen. The setting is saved and finished.

6.2.2 Set the unit type

Enter the menu of 'Delegate Setup' and set on the sub-menu 'Unit Type Set'.

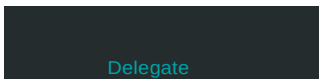


VIS-DIC-T is default as the chairman unit and there are most of units are delegate units in a conference system, so we need to set all units as 'All delegates'.

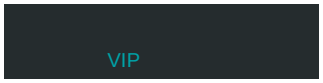


Set as the above screen, all the VIS-DIC-T are worked as the delegate units. Next set the as 'Type: ON.'

We can check on the contribution units and the display on all units show the bellow screen.



We press the MIC button on the unitand the display will shift cyclically as Delegate-Chairman-interpreter-VIP.Let the them display as what you want to set as.



Set on the processor unit to off the type setting as bellowing.