How Does IP Speaker Work On the HikCentral V2.1

Applicable to:

HikCentral Professional: Version 2.1

IP Speaker: DS-PA0103 (Firmware: V6.1.0b9)

Configuration On Web Client

1.Configure the Device IP

We have to use the specfic tool which is called Manager to search for the device' s

ip when adding firstly. Please make sure your PC is on the same LAN with the device.

Note: If the device' s IP is not set on the same LAN, it cannot be searched. You

should link the PC with device directly	1.
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式 > Manager(V1.0)20190626			ٽ ب
名称	修改日期	类型	大小
Lang	2019/6/15 14:46	文件夹	
~devlist.lst	2021/6/23 11:35	LST 文件	1 KB
🕡 BatchUpdat.exe	2017/11/4 12:01	应用程序	675 KB
devdb.dat	2021/6/23 11:38	DAT 文件	1 KB
🗟 libmysqld.dll	2006/11/6 16:24	应用程序扩展	3,528 KB
🗟 Lic.dll	2012/2/8 10:34	应用程序扩展	40 KB
📄 license.dat	2019/6/4 10:54	DAT 文件	28 KB
License.lic	2012/2/8 10:34	LIC 文件	1 KB
license1.dat	2019/5/29 16:19	DAT 文件	26 KB
🐼 Manager.exe	2019/6/27 15:17	应用程序	1,759 KB
NASetup.dll	2015/11/23 11:40	应用程序扩展	60 KB
🛐 SysConfig.ini	2021/6/23 11:35	配置设置	1 KB
updatefile.txt	2021/6/23 11:36	文本文档	1 KB

Open the tool and click "Search" to find the device:



😪 Manag	Anager V1.0.0 – 🗌 🗙									
设备(W)	工具(X) 语言(?)	•##130(Z)								
(→) 搜索	添加设备 修改设行	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	④ 2010 組織地址 设备升	级 关于 B	3 出					
状态	设备编号	Sip账号	设备名称	IP地址	Mac地址	设备型号	固件版本	网络接口	所在位置	
Online	1002		1002	10.9.99.21	0.9.246.141.76.214	undefined	V6.0.1	10.41.169.100	LocalNetwork	
2755.0****	1									

IP address, DNS server and platform information (HCP' s IP address and the port defaults as 8877).

Double click the device below and enter the "basic configuration" to change the

			絵 構 沿 男	
			3/32 (7.11	
:	运行信息	设备信息		
ine	基本参数	设备编号	1002	
	账号信自	设备名称	1002	
	账与信志	网络参数		
	对讲设置	DHCP	◎ 自动获得IP地址 ○ 使用下面的IP地址	
-	控制串口	IP地址	10.9.96.150	
	设备维护	子网掩码	255.255.255.0	
		网关地址	10.9.96.1	
		DNS服务器		
		DNS服务器地址	○ 自动获得DNS地址 ⓒ 使用下面的DNS地址	
		首选DNS		
		备选DNS		
		管理服务器		
		服务器地址	10.9.96.42	
		服务器端口	8877	
-				

After configuration, click" save" and enter the device' s password. The default



password is "1234".

		,			
网络参数					
DHCP		〇自动	获得 IP 地址	ⓒ 使用下面的	IP地址
IP地址	Legin	10.9.99	21		
子网掩码	Login 登录信息				
网关地址		口包	admin		.
DNS服务器		-11			
DNS服务器地址	密	码	******		ţ1
首选DNS					
备选DNS		🖌 确	÷	★ 取 当	
管理服务器		- H(H)	AE .		
服务器地址		10.41.9	150	•	
服务器端口		8877		•	

In case that the firmware of device is too old, we can update the firmware on the tool as well. Click the" update firmware" and upload the firmware you want to update.

🎃 Manag	er V1.0.0	2						_					
设备(W)	工具(X)	语言(Y)	帮助(Z)				-						
(=)		4	Θ	8,3				6	3				
搜索	添加设备	修改设行	昏 删除设备	联系人	组播地址	设备升级	§ 关于	退	出				
状态	设备编号	4	Sip账号		设备名称		P地址		Mac地址	设备型号	固件版本	网络接口	所在位置
Online	4321		l	d	4321		10.18.65.47		0.9.246.140.209.228	undefined	V6.1.0b6	10.18.65.122	LocalNetwork

After uploading, you can check the firmware verison and click" start".

When finished , you can see the "update process is sucessful" prompt.



😵 Manager V1.0.0			-	
设备(W) 工具(X) 语言(Y) 帮助(Z)				
UpdateServer v1.1				
DeviceList				Updatefile
IP Address DeviceName	Version MAC	DeviceType	Process	UpdateFile
10.9.99.23 1002	V6.1.0b9 0.9.246.141.76	undefined	OK.	D:\Update_C_DS-PA0103_V6.1.0b9.bin
				FileInfo Version: V6.1.0b9 DateTime: 2021-06-03 DeviceType DS-PA0103 Desctription V1.1 支持最大为1M的程序文件转换 输入程序升级的理由,更新BUG或是增加功能
Select All			Search	
V1.1 支持最大为1M的程序下载升级 AgentPort = 65276 10.9.99.23 update process is successful All update process has finished			^	Option Threads 20 🜩
			Ŷ	Start

2.Link the Device with HCP Platform

Log in to the web client of device and click the module "server" .

You should type in the Server IP which is HCP' s IP address and the default port is

8877.

Make sure the default port on the HCP is 8877, you can check the Service Manager(Watchdog) ' s ports on SYS.



	坐 下载日志			
服务管理器	服务名称	端口号	状态	操作
HikCentral Professional	编辑端口		2 已启动	E e
	服务支称	System Management Service(SYS)	2 已启动	ĒΘ
⊖ 全部停止) 已停止	D 5
	远端站点注册端口	14200	🕗 👂 已启动	ĒΘ
会部重启	ISUP设备注册端口	7660	● 已启动	
	ISUP设备报警接收端口(TCP)	7332	•	
	ISUP设备报警接收端口(UDP)	7334	•	
运行时间:	本地图片存储端口	6123	•	
0 天 06:45:07	本地文件存储端口	6203	•	
	报警监听端口	8686	•	✓ 开机启起
	通用事件接收端口	15300	•	
	ISUP设备取流信令端口	7661	•	
	广播OEM设备数据传输端口	8877		

Note:The username for server should be admin account from device.The password

for server is actually the device' s password which is default as "1234" .

HIKVISIO N	DS-PA0103	
Network	Audio Server	
Server	Server	
Sip Setting	Server IP	10.41.9.150
Account	Server Port	8877
Intercom	Server User	
Monitor	User Name for Server	admin
Audio	Password for Server	
IP Filtering		Save
Maintain		
Security		
Overview		

After the previous steps are done, you can check the "overview" part to see if it is connected to the HCP successfully. Note: You can also check the network status and basic information like firmware version and serial number here.



Network	System	Overview		
Server		Web Version	V1.0.1	
Sip Setting		Fireware Version	V6.1.0b9	
Account		Serial Number	42791161046	
Account				
Intercom		IP Address	10.9.99.23	
Monitor		Primary DNS	10.1.7.97	
A		Netmask	255.255.255.0	
Audio		Secondary DNS	10.1.7.98	
IP Filtering		Gateway	10.9.99.254	
Maintain				
		Server lp	10.41.9.150	
Security		Server Status	connected	
Overview	L			
		SD Card Status	no sdcard	
			_	

3.Add the IP Speaker On HCP

Go to Resource Management-> Device and Server-> IP Speaker.

Click "add" to enter the IP address, Device port(default as 9999), Device Serial No

which you can get from device' s web client, user and password.



88	🔞 HikCentral Professiona	I Web Client	
₽	Resource Management	⊖Add IP Speaker	
	Device and Server ^ ^	Basic Information	
	Encoding Device		
	Access Control De	Adding Mode	IP Address
	Elevator Control D		U Batch Import
	Video Intercom D	*Address	10,9.99.21
	Security Control D	*Device Port	9999
	Dock Station	*Device Serial No	42791161046
	UVSS	*Name	ip speaker
	Network Transmis		
	Guidance Screen	*User Name	admin
	Digital Signage Te	*Password	••••
	IP Speaker		Risky
L	Visites Terminal	Resource Information	
	Security Inspectio	 Add Resource to Area 	
	Guidance Terminal	*Area	Create Area by Device Name
			C Existing Area
	Recording Server		
	Streaming Server		Add Add and Continue Cancel
	DeepinMind Server		
	Security Audit Ser		
	Smart Wall		

Please make sure you have configured the 9999 port on device. Enter the Sip Setting->Monitor and enter "0.0.0.0:9999" on the first address.

HIKVISION	DS-PA0103		
Network	Multicast Monitor		
Server	Monitor Address		
Sip Setting	Priority	Address ?	
Account	1	0.0.0.09999	
Intercom	2		
Monitor	2		
Audio	3		
IP Filtering	4		
Maintain	5		
Security			
Overview	6		
	7		
	8		



After adding the device, you can try to refresh the page few times to get the online

status from device, sometimes it is not showing the status right away.

+ Add 🔋 Delete	P Change Password	🛱 Refresh All				56	earch Q
Name ‡	Address ‡		Serial No. +	Version +	Network Status	Password Strength $\hat{\tau}$	Operation
i	10.9.99.23		42791161046	1	🔮 Online	Risky	

4.Link the Camera with IP Speaker

Go to Area-> Speaker Unit -> Click the IP Speaker' s resource :



Choose the cameras you want to link and Maximum number is 4.



WikCentral Professional × Search Basic Information * WhikCentral Professional *Name Broadcast 01 *Name # 10.41.9.203 Related Camera @ 3%8%tt_mingmoe671 Camera > @ area-hcj1 Available > @ area-hcj1 Search @ 10.9.99.204 Search	+ 🖉 🛍	Groadcast 01	
i door	+ ∠ □ HikCentral Professional ∨ Search ∨ HikCentral Professional III 10.41.9.203 III 3058%Hg_mingmoe671 > III area-hg1 > III area-hg1 > III area-hg2 III 10.9.99.204 III 00.99.204 III door III analyze III io	C Broadcast 01 Basic Information Related Camera	Name Broadcast 01 Camera ① Max. camera(s) allowed: 4. it has already linked to 1. Available Search Sea

5.Link the IP Speaker with Map

Go to Map settings-> Add map:



You can drag the Speaker unit to the map from Resource.



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Note: It cannot change to the red color status when the alarm is triggered.

6. Configure the Basic settings on IP Speaker

Choose the storage location of files, current version only supports storage on the

local or Pstor server.

Enable "live Broadcast Recording" when you need to save records from live broadcast.

88	G HikCentral Professiona	l Web Client		
₽	Speaker Unit	Basic Settings		
5	Basic Settings			
\boxtimes	Broadcast Group	File Storage Location		_
Ō	Media Library	*Storage Location	Local Storage ^	
<u>\$</u> "	Live Broadcast and Rec Y	Live Broadcast Recording	Local Storage	
FJ	Scheduled Broadcast	*Live Broadcast Recording		
			Save	

You can go to System Configuration-> Storage-> Storage on SYS Server to choose

the dick where you need to save the files.



88	i HikCentral Profession	I Web Client				
	System Configuration	A No editing permission. For system sec	urity, yo	u can only edit it via the Web Cli	ent runr	ing on the SYS server.
88	Normal ^	Storage on SYS Server				
	User Preference	*Storage Quota				GB
	Holiday Settings	File Storage				
	Printer Settings		(i) File	storage: store video and audio	files con	figured on the platform.
	Card Template	* Storage Location	HDD	(6)		
Ø	Network Y		-	C:\	-	D:\
B	Storage ^			159 GB Free of 191 GB		140 GB Free of 149 GB
	Storage on SYS Server			E:\		F:\
	Data Retention Period			58 GB Free of 61 GB		41 GB Free of 42 GB
P	Email 🗸			G:\		J:/
\oplus				11 GB Free of 11 GB		31 GB Free of 51 GB
		Restrict Queta for Files				
\heartsuit		Vestrict Quota for Files				
£		Overwrite When Storage Space is				

7.Configure the Broadcast Group

Go to Speaker Unit-> Broadcast group-> click "add"

88	i HikCentral Profession	al Web Client				Ø Wizard	E Maintenance and Management admin
≡	Speaker Unit	Ca ∠ ti	+ Add 🗊 Delete <)) Volume				
圆		Search	Name	Area	Terminal Status	Volume	Audio File
52	Broadcast Group	1234	Broadcast 01	ip	🕑 Idle	8	1
Ō							
₽4							
昭							

After adding the group, add the Broadcast from device.





You can also set the volume here on the group, the volume range is from 1 to 10.



8.Configure Media Library

Go to Speaker Unit-> Media Library -> click "add" for creating the group



After creating the group, click "add" to upload the audio files.



88	G HikCentral Profession	al Web Client				enance and Management admin
₽	Speaker Unit	Co ∠ 0	+ Add			
圆		Search	Name 0	Format	Size	Operation
¥		✓ MediaDirectory	CheeryPiano_Ending	mp3	1004KB	4
	Media Library	test01	early_bird2-12	mp3	2079KB	<u>+</u>
₽1			1234	mp3	1082KB	<u>+</u>
R						

Click the "Upload" to finish the whole process.

Name ≜	翻译	复制	搜索	٥	Format
Uploading Progress					
Ready to start.					
Details		0%			
Name			Status		
CheeryPiano_Ending.mp3			😣 Not	uploaded	
					Upload Close

Note : The maximum audio files numbers you can upload is 100. And it only supports

MP3 format and it should be less than 10Mb , in future it will support more formats.



9.Live Broadcast

Go to Live Broadcast and Recording-> Select the speaker unit from group or area->

≡	Speaker Unit	Live Broadcast		
5		The content you broadcast will be recorded as	nd uploaded to the local storage or pStor server.	
×		*Speaker Unit	Group	
Ŷ	Live Broadcast and Rec ^ Live Broadcast Live Broadcast Recor		O Area Display Terminals Not Grouped Search Q Description	
F			> 1234	
		*Broadcast Mode	Speak Audio File	
			Start Broadcast	

Choose the Broadcast Mode "Speak" or "Audio file" :

Speak Mode: you can speak via your microphone on your local PC and live broadcast it on your IP speaker.

Audio mode: you can live broadcast the current audio files on your Media library.

For a fluent broadcast, you can click "download" to the local PC first.

*Broadcast Mode	🔾 Speak		
	• Audio File		
	. → Download	 For a fluent broadcast, you can download the audio file to 	the local PC first.
	Search	Q	
	∨ 🖬 MediaDire	ctory	
	V 🖬 12344		
	1234		
	Cheel	hird2-12	
	> 🖬 test01		



Click "Start Broadcast" below to start.

Click "Stop" when you want it to finish.

be recorded a	and uploaded to the local sto	rage or pStor server.			
	> 🗌 🚞 214	-			
	✓ ✓	Broadcast			
	🗹 🚚 Broadcast		a da a		
			addha		
			Playing: CheeryPiano_Ending	r.	
		Details			
		Speaker Unit	Status		
		Broadcast 01	😒 Enable		
adcast Mode	🔿 Speak				
	Audio File		1		
	🖄 Download 🛛 🛈 For				
	✓ ■ MediaDirectory				
	✓ 🚞 12344			Stop	
	1234				
	CheeryPiano_	Ending	100 C		
	arly_bird2-1	2			
	> 🚞 test01	/			
	/	/			
	/				
	/				
_	/				
	Start Broadcast				

Go to live Broadcast Recording to search the live broadcast records by time. You are

able to download files on each record.

88	6 HikCentral Profession	al Web Client					⑦ Wizard	ement admin ~
₽	Speaker Unit	Live Broadcast Recording	_					
633		ine broadcast neceroning		Broadcaster	Receiver	Start Time	File Size	Operation
		Start Time	>	admin	1	2021-06-24 14:26:00	1004KB	*
23		2021/06/24 00:00:00	>	admin	1	2021-06-24 14:27:25	2079KB	<u>.</u>
Ō		End Time	>	admin	1	2021-06-24 14:30:35	1004KB	٤
<u>₽</u> ª		2021/06/24 23:59:59	>	admin	1	2021-06-24 14:30:43	2079КВ	٤
		Broadcaster	>	admin	1	2021-06-24 14:31:00	198KB	٤
	Live Broadcast Recor		>	admin	1	2021-06-24 14:38:32	1004KB	٤
昭	Scheduled Broadcast		>	admin	1	2021-06-24 14:38:40	1004KB	٤
			>	admin	1	2021-06-24 14:38:41	1004KB	<u>.</u>
			× ,	admin	1	2021-06-24 14:38:42	10D4KB	٤
			>	admin	1	2021-06-24 14:38:43	1004KB	٤
			>	admin	1	2021-06-24 14:38:43	1004KB	٤
			>	admin	1	2021-06-24 14:38:44	1004KB	٤
			>	admin	1	2021-06-24 14:38:44	1004KB	٤
			>	admin	1	2021-06-24 14:38:45	1004KB	٤
			>	admin	1	2021-06-24 14:38:45	1004KB	٤
			>	admin	1	2021-06-24 14:38:46	1004KB	
		Search To	Total:	48 100 /Page ~			1	/1 Go

Note:Make sure you have downloaded the latest webcontrol version.

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10.Scheduled Broadcast

Go to Scheduled Broadcast-> Click "add" .

Enter the name and select the speaker unit from group or area.

You can set a broadcast schedule on period type by every day, every week or one time on the speific duration.

Broadcast time means the exact time when it is going to broadcast. For example, when you set 20:00:00 on July 6th, it will broadcast the exact time based on your local server time on that day.

Set the Broadcast Priority when it could be multiple schedules at once, the bigger number means bigger priority.

🔞 HikCentral Professiona	al Web Client				
Speaker Unit	Edit Scheduled Broadcast				
Basic Settings					
Broadcast Group	*Name	1234			
Media Library	*Speaker Unit	• Group			
Live Broadcast and Rec ^		◯ Area			
Live Broadcast		+ Add	🔟 Delete		
Live Broadcast Recor		Name		Operation	
		Broadca	st 01	Ū	
Scheduled Broadcast					
	*Period Type	Every Day			\sim
	*Start Date and End Date	202	1/06/24 -	2021/06/30	Ë
		[
	*Broadcast Time	20:07:05			Ŀ
	*Broadcast Priority	1			~
	HikCentral Profession Speaker Unit Basic Settings Broadcast Group Media Library Live Broadcast and Rec Live Broadcast Recor Scheduled Broadcast	PikkCentral Professional Web Client Speaker Unit Basic Settings Broadcast Group Media Library Live Broadcast and Record	PikkCentral Professional Web Client Speaker Unit Basic Settings Broadcast Group Media Library Live Broadcast and Rec ^ Live Broadcast Recor Scheduled Broadcast Scheduled Broadcast Scheduled Broadcast Scheduled Broadcast <t< td=""><td>PikkCentral Professional Web Client Speaker Unit Basic Settings Broadcast Group Media Library Live Broadcast and Rec- Live Broadcast Live Broadcast Recor- Scheduled Broadcast Scheduled Broadcast • Period Type Every Day • Start Date and End Date 2021/06/24 • Broadcast Time 2021/06/24 • Broadcast Priority</td><td>Previow Previow Scheduled Broadcast Professional Web Client</td></t<>	PikkCentral Professional Web Client Speaker Unit Basic Settings Broadcast Group Media Library Live Broadcast and Rec- Live Broadcast Live Broadcast Recor- Scheduled Broadcast Scheduled Broadcast • Period Type Every Day • Start Date and End Date 2021/06/24 • Broadcast Time 2021/06/24 • Broadcast Priority	Previow Previow Scheduled Broadcast Professional Web Client

Choose multiple audio files you want to broadcast and you can set the order of



audio playing by simply clicking the "Up arrow" or "Down arrow".

The play mode can be once or a Duration.

*Audio File	+ Add 🔟 Delete			
	File Name	Duration	Operation	
	1234	00:01:10	$\uparrow \downarrow$	Ū
	early_bird2-12	00:02:13	$\uparrow \downarrow$	Ū
	CheeryPiano_Endi	00:01:04	$\uparrow \downarrow$	Ū
*Play Mode	Once			
	• Specified Duration			
	00:00:00			Ŀ

11. Link the Speaker Unit on Event and Alarm

Go to Event and Alarm Configuration-> add Event and alarm-> Actions-> Add

linkage Action-> Choose link Speaker Unit

88	6 HikCentral Profession	al Web Client	Ø Waard ≡	đa
₽	Event and Alarm	Add Event and Alarm		
ß	Event and Alarm Config ^	Basic Information Actions Re	ceiving Schedule Alarm Settings	
	Normal Event and AL		\$Source \$Triggering Event	
圆				
Q		Description	Enter the instructions to handle the event/alarm or remarks for the event/alarm.	
		* Color	#ff0000	
		 Ignore Recurred Event/Alarm Actions 	Compare FIZ Troper FIZ Link Third-Party Integrated Resource Send Enal E. Trioper Lises Defined Event	
			灯 Link Speaker Unit	
		Actions	Add Linkage Action	
		Receiving Schedule		
		Receiving Schedule Template	Schedule Template	

Choose the speaker unit and Audio File you want to link with.

After that, click "Trigger Alarm".



		Add Linkage Action	
🗐 Link Speaker Unit			直 个
Speaker Unit * ① No more than 64 spe + Add	eaker units can be linked. ete All		
Speaker Unit 🗍	Area 🗍	Operation	
Broadcast 01	ip	Ū	
Play Audio File *			
1234			

You can check if the audio file is successfully applied on device. If it fails, it will show

up on the "Actions" .

😫 💿 HikCentral Professio	📀 Hikkentral Professional Web Glient 🕜 Watard 🗉 Main						
Event and Alarm	Total	AL User					
🛱 Event and Alarm Co	1 0 0	1 0 0					
Normal Event and	Contigu Usabled Exception	Configur Unabled Exception					
Combined Alarm	+ Add 🛛 Delete 🗰 Delete All Invalid Ite	ems 🔅 Triggering Alarm 😔 Enabled 🗸	⊖ Disable ~ © Test □ Alarm				
TTT And Automatican	Event Name 🗧	Source ‡	Triggering Event	Trigger Alarm ‡		∀ Status ‡	
way basic settings -	> 📄 🔳 admin - User Login	admin	User Login	Yes	High	Enabled	βQ
Q, Seech ~						μΩ 	Link Spoker Unit The links provide unit Productst Of pipes the audio file CherryPiano_Ending

Note: Make sure the device is loaded with TF Card already. The TF card memory is

recommanded to be 16GB.

Configuration On Control Client

1.Real-time Monitoring

Log in the Control Client-> Monitoring

Click the configured broadcast and the related cameras will show up.





2.Broadcast Control on Alarm Center

Log in the Control Client-> Alarm Center

When you link the Speaker Unit with the alarm&event, you can stop the broadcast

Childcantral Parensient Centre Cleare

A

Canters Adametti Instant Anderson

A adas on Instant Propring Yandan Digital

Canters Adametti Instant Anderson

A adas on Instant Propring Yandan Digital

Stant Video & Pacture

A adas on Instant Propring Yandan Digital

Stant Video & Pacture

A adas on Instant Propring Yandan Digital

Stant Video & Pacture

A adas on Instant Propring Yandan Digital

</

on the alarm center when the alarm is triggered.

3.Live Broadcast

Log in the Control Client-> Tool-> Broadcast



Select the Speaker Unit from group or area and choose the broadcast mode.

Alarma Time (Client	Alarm Timer A Course A	Area A Trigger Fuent	Oneration
Broadcast			×
By Speaker Unit	By Device		
i The content you broa	dcast will be recorded and uploaded to the server.		×
5	nesker Unit		
	Display Speaker Unit Not Grouped		
	Search		Q
	> 🗌 🖬 1234		
	214		
Broa	dcast Mode 🛛 💿 Speak		
	O Play Audio		
			Open

Note: make sure you are running the control client with administrator permission,

unless the broadcasting can be failed.