

How to use IP Speaker with EUI NVR

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	1 of 9

Preparation

- 1. EUI NVR with 4.82.000_240224 firmware
- 2. Hikvision IP Speaker with 1.2.2_240103 firmware

How to use IP Speaker with EUI NVR

1) Add IP Speaker to NVR:

a. Connect IP Speaker to the same LAN with NVR.

b. Go to NVR Local GUI- Configuration- Device Access- IP Speaker.

Activate device and set device password (follow the password setting restrictions)

NVR	Live View 🕑 Playback 🏹 Search 🔅 Configuration ()	ں بے 算 🕲
System	Added Device List	
Network	+ Add 🗇 Delete 🕸 Show Passwo 🕑 Batch Time Sync 🥵 Audio Parameter 🖻 Media Library Search	Q
Camera	> Device No. Control IP Address Control Device Name Status Protocol Link Channel Operation I	Security
Device Access		
Switch	No devices added. Cilck + to add.	
IP Speaker		
Event		
Intelligent Search	Y Online Device List	
Record	+ Add + Add All Q Activate O Refresh	
Serial	I Device No. I IP Address I Status Operation Protocol Management Port Device Model	Serial No.
Face Picture Library	Speaker01 192.168.1.64	DS-QAZ120
	□ Speaker02 10.9.96.237 🛕 🖉 HIKVISION 8000 DS-QAZ1206G1-BE	DS-QAZ120
⇔ Easy Mode		

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	2 of 9

NVR		Live View	D Play	^{/back}	Search	٥	Configuration					0 🗕 🖁	ڻ ٺ ⁽)
System	Adde	d Device List											
Network	+ Add		& Sho	w Passwo	. 🕑 Batch	Time Synd							Q
Camera		Device No. 🕴	IP Ad	ldress 🗦	Device N	lame	l Sta	us ∣Pro	tocol ∣Lir	nk Channel	Operation	Security	
Device Access													
Switch			Activ	ation					×				
IP Speaker			Use	e Channel D	efault Pa								
Event				Create New	v Password	*******		— Weak					
Intelligent Search	 ~ 0	nline Device Lis	st	Confirm Nev	w Password	*******							
Record	+ Ado	H + Add All											
Serial		Device No.					ok	Cancel	lanagement	Port ∣Device	e Model	l Se	rial No.
Face Picture Library		Speaker01	192	2.168.1.64	8	ℓ	HIKVIS	ION	8000	DS-Q	AZ1203G1-BE	DS	-QAZ12(
		Speaker02		9.96.237		L	HIKVIS	ION	8000	DS-Q	AZ1206G1-BE	DS	-QAZ12(
⇔ Easy Mode													

After activation, device'IP is still 192.168.1.64 by default, user needs to manually set its IP.

(consider	NVK	automati	cally t	urns on	Speaker	S DHCP	atter a	ctivation	

NVR	Live View 🕑 Playback 🏹 Search 🔅 Configuration 🕐	🕲 👗 中 🛈
System	Added Device List	
Network	> + Add 💼 Delete 🕸 Show Passwo 🕑 Batch Time Sync 🕫 Audio Parameter 💼 Media Library Search	Q
Camera	IDevice No. Edit IP Speaker X	Security
Device Access		
Switch	No. 1 MAC Address 3c:1b:f8:80:73:d6	
IP Speaker	IP Address 192. 168. 1 . 64	
Event	> Subnet Mask 255 . 255 . 0	
Intelligent Search	Management Port 8000	
Record	+ Add + Add All	
Serial	I Device No. Inagement Port Device Model	Serial No.
Face Picture Library	☑ Speaker01 000 DS-QAZ1203G1-BE	DS-QAZ120
	Speaker02 OK Cancel 000 DS-QAZ1206G1-BE	DS-QAZ120
⇔ Easy Mode		

Click 'Add' and IP Speaker is added successfully.

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	3 of 9

NVR	Live View	Dlayback	Search	Config	uration					()	8	? Ł	↺
System	Added Device Li	st											
Network	+ Add 🔟 Del	ete 🛛 🕸 Show Pa	sswo 🕑 Batch	Time Sync 🛛 🖪	Audio Parameter	🖻 Media L	ibrary					۵	
Camera	Device No	. ≑ IP Address	s i Device N	ame	∣Status ∣F	Protocol	Link Chann	el IOpe	ration		Security		
Device Access	Speaker01	10.9.96.10	0 Network	Speaker		HIKVISION	Unlinked	L		Ū	Weak P	assword	
Switch													
IP Speaker					*								
Event						-							
Intelligent Search	I ✓ Online Devic	e List											
Record	+ Add + Add	All Q Activate	O Refresh										
Serial		lo.≑ ∣IPAddre	ess≎ ∣Statu	is Operation	Protocol	Managem	ent Port ∣[Device Model			IS	erial No	
Face Picture Library	Speaker	01 10.9.96.	237 🔺	L	HIKVISION	8000		DS-QAZ1206	G1-BE		C)S-QAZ	12(
								_					
⇔ Easy Mode													

For NVR with EXPERT MENU(GUI5.0): 8-channel IP Speaker can be added;

For NVR with EASY MENU(EUI 4.0): 4-channel IP Speaker can be added;

IP Speaker is not linked to any IPC channel after adding, click 'Operation- Link Channels' and link it.

---consider automatically show link channel page after adding like WEB GUI does.

NVR	🔬 Live View 💿 Playback 🏹 Search 🔅 Configuration 🛛 🔞 🚏 🗄 🕛
System	Added Device List
Network	, + Add 🖮 Delete 🕸 Show Passwo 🕑 Batch Time Sync 🕫 Audio Parameter 🖻 Media Library Search Q
Camera	> I t Link Channel X Nnel Operation Security
Device Access	
Switch	[D1]test [D2]Blackboard I [D3]IPCamera 04 [D4]Camera test [D5]Camera 02
IP Speaker	[D6]IPCamera 04 [D7]Camera 01
Event	•
Intelligent Search	→ I → On
Record	
Serial	Image: Device Model I Device Model I Serial No.
Face Picture Library	DS-QAZ1206G1-BE DS-QAZ120
	OK
⇔ Easy Mode	

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	4 of 9

Note: During the entire adding process, the management port of IP Speaker is 8000 by default. But the actual management port in the NVR –IP Speaker topology is 80. And after adding, the management port in device edit page is shown as 80. Consider change this inconsistency and display management port as 80 always in IP Speaker page.

NVR	💭 Live View 🕑 Playback 🏹 Search 🔅 Configuration 🔅	<u>ه</u> 🛱 🖞 🖉
System	Added Device List	
Network	> + Add 💼 Delete 🕸 Show Passwo 🕑 Batch Time Sync 🛛 Audio Parameter 🖻 Media Library Search	Q
Camera	ID Address Davise Name ID Edit Device K ID Address Davise Name ID Edit Device X X	ecurity
Device Access	□ Speaker01	eak Password
Switch	Device No. Speaker1	
IP Speaker	IP Address 10 . 9 . 96 . 100	
Event	Protocol HIKVISION V	
Intelligent Search	Management Port 80	
Record	Chille Device List User Name admin	
Serial	Add + Add All Password Device No Inangement Port Device Model	Serial No.
Fore Distance Library	Use Camera Activation Password 2000 DS-QAZ1206G1-BE	DS-QAZ120
Face Picture Library	OK Cancel	
⇔ Easy Mode		

b. IP Speaker configurations:

1. Go to 'Operation-Edit Device':

NVR	🔬 Live View 问 Playback 🏹 Search 🔅 Configuration 🕧 🕲 🦉	ط را
System	Added Device List	
Network	, + Add 🗇 Delete 🕸 Show Passwo 🕑 Batch Time Sync 🕫 Audio Parameter 🖻 Media Library Search	Q
Camera	J Device No. ID Address Device Name Status Device No. Edit Device X	
Device Access	□ Speaker01 i/ON D2 ℓ ∂ 혭 Weak Passv	vord
Switch	Device No. Speaker1	
IP Speaker	IP Address 10 . 9 . 96 . 100	
Event	Protocol HIKVISION ~	
Intelligent Search	Management Port 80	
Record	Vser Name admin	
Serial	I Device No. Use Camera Activation Password Ianagement Port Device Model Serial	No.
Face Picture Library	Discret Speaker01 500 DS-QAZ1206G1-BE DS-C	AZ12(
⇔ Easy Mode		

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	5 of 9

Device No: default shown as Speaker01/02 and cannot change;

Protocol: Protocol type used to add devices. For now, only Hikvision protocol is supported;

Device IP: IP address of speaker;

Port: 80 by default and can be modified;

User Name: User name of Speaker;

Password: Password of Speaker;

2. Go to 'Batch Time Sync':

NVR	Live View 🕑 Playback 🏹 Search 🙋 Configuration 🛈 i	@ ឺ ד (
System	Added Device List	
Network	> + Add 🏛 Delete 🛛 🕸 Show Passwo 🕑 Batch Time Sync 🛛 Audio Parameter 🖻 Media Library Search	Q
Camera	> 🗹 Device No. 🕆 IP Address 🔅 Device Name Status Protocol Link Channel Operation S	ecurity
Device Access	ID Speaker01 10.9.96.100 Network Speaker 🥥 HIKVISION D2 ・ と C 面 W	Veak Password
Switch	Batch Time Sync X	
IP Speaker		
Event	Enable Time Sync Time Sync Interval 5 Min	
Intelligent Search	Online Device List	
Record	+ Add + Add All OK Cancel	
Serial	IDevice No. IP Address IStatus Operation IProtocol IManagement Port IDevice Model	∣ Serial No.
Face Picture Library	□ Speaker01 10.9.96.237 🛕 🖉 HIKVISION 8000 DS-QAZ1206G1-BE	DS-QAZ12(
⇔ Easy Mode		

User can enable time sync on NVR and set time sync interval.

3. Go to 'Audio Parameter':

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	6 of 9

NVR	🔬 Live View 💿 Playback 🏹 Search 🙋 Configuration 🕐 🔞 🌹 占 🕛
System	Added Device List
Network	> + Add 🗇 Delete 🛛 🕸 Show Passwo 🕑 Batch Time Sync 🕫 Audio Parameter 🖻 Media Library Search Q
Camera	> C Device Audio Parameter X Channel Operation Security
Device Access	Solort Channel ISneaker
Switch	
IP Speaker	MIC Volume •
Event	Bluetooth Input Volu Output Co.
Intelligent Search	Channel 1 Output Volume 100
Record	Other Conf + Add + Sound Quality Mode Fluent OBalanced O Real-Time
Serial	D I Dev ort I Device Model I Serial No.
Face Picture Library	Spe DS-QAZ1206G1-BE DS-QAZ120
	OK Cancel
⇔ Easy Mode	

Select Channel: Select the Speaker which you need to change parameters on;

MIC Volume: set MIC input Volue;

Bluetooth Input Volume: set Bluetooth Input Volume ;

Channel 1 Output Volume: set Channel 1 Output Volume(all speakers have only 1 output channel so far);

Sound Quality Mode: change it to Fluent, Balanced & Real-Time based on user demand;

---this configuration page is not functioning as expected and all configurations show 'IP Speaker Offline' error. Web GUI is functioning normally.

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	7 of 9

NVR	🔬 Live View 💿 Playback 🏹 Search 🙋 Configuration 🕐 🔞 🌹 占 🕛
System	Added Device List
Network	> + Add 🗇 Delete 🛛 🕸 Show Passwo 🕑 Batch Time Sync 🕫 Audio Parameter 🖻 Media Library Search Q
Camera	> I Device Audio Parameter X Channel Operation Security
Device Access	Speak nked 🖉 🕑 💼 Weak Password
Switch	
IP Speaker	Input Setti Input Setti Input Setti The IP speaker is offline
Event	
Intelligent Search	Close 44 Channε Close 44
Record	Other Conf + Add + Sound Quality Mode Fluent O Balanced O Real-Time
Serial	I Dev Strial No.
Face Picture Library	Spe DS-QAZ1206G1-BE DS-QAZ120
	OK Cancel
⇔ Easy Mode	

4. Go to 'Audio Library' and click 'Batch Import Audio', choose the IP Speaker which you need to import audio documents into(audio documents should be mp3 or wav file within 1MB);

NVR	💭 Live View 🕑 Playback 🏹 Search 🔅 Configuration	()) 🗟 ឺ 다 🔿
System	Added Device List		
Network	, + Add 前 Delete & Show Passwo… (3) Batch Time Sync 成 Audio Parameter 商 Media Library X		Q
Camera	The file should be MP3 or WAV file within 1 MB.	ation	l Security
Device Access	E Batch Import Audio E Import to Delete	0 1	Weak Password
Switch	Speaker01 Batch Import Audio X I Operation		
IP Speaker	Select Imported Device Select All		
Event	Speaker01 Speaker02		
Intelligent Search			
Record			
Serial	N Cancel		∣ Serial No.
Face Picture Library		-BE	DS-QAZ12(
	Close		
⇔ Easy Mode			

After Speaker Select, click 'Import' and use USD-disk that has been inserted into the NVR to import audio files;

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	8 of 9

NVR	Live Vie	w 问 Playback	C Search	Configura	tion		(j) 🗟 ឺ 다 🛈
System	Added Device	List			_			
Network	, + Add 📺 Ir	mport Audio				× ,		Q
Camera	Media Library The file should be MP3 o	Device Name	USB Flash Disk	: 1-1 ~			× ition	Security
Device Access	🕒 Batch Import A	Path	/mnt/h_msa1		0		C 🖻	Weak Password
Switch	Speaker01	B Add Folder 5 Format	Size -		∣ Edit Date ≜	əration		
IP Speaker		■ ch01_20240220031336	. 195.09KB	File	20-02-2024 18:33:24			
Event		■ ch01_20240220031343	. 195.50KB	File	20-02-2024 18:33:40			
Intelligent Search		 ch01_20240220031329 ch01_20240220031329 	. 195.80KB	File	20-02-2024 18:32:38			
Record		testfile.mp3	270.12KB	File	01-03-2024 15:48:56			
Serial		NVR_K21B1_H930_X	492.71MB	File	29-02-2024 18:09:26			∣ Serial No.
Face Picture Library		∎ digicap.dav	497.00MB	File	10-01-2024 12:32:54	1	-BE	DS-QAZ120
		Free Space: 28.31GB				Close		
					Import Cancel			
⇔ Easy Mode								

NVR	矣 Live View 🕑 Playback 🌇 Search 🧔 Configuration	① 🗕 🍍 🕁 ①
System	Added Device List	
Network	y 🕂 Add 🝈 Delete 🛛 🕸 Show Passwo 🕑 Batch Time Sync 🛛 Rd Audio Parameter 🖻 Media Library	Search Q
Camera	Media Library The file should be MP3 or WAV file within 1 MB.	× tion ∣ Security
Device Access	금 Batch Import Audio 급 Import @ Delete	 ⑦ 面 Weak Password
Switch	Speaker01 INo. File Name Format Size Duration Operation	
IP Speaker	🔲 1 testfile.mp3 mp3 0.26M 69s 🖉 👁 🖻	l,
Event	×	
Intelligent Search		
Record		
Serial		∣ Serial No.
Face Picture Library		-BE DS-QAZ120
	Close	
⇔ Easy Mode		

User can change file name, Play it on IP Speaker & delete it in Media Library.

--- If user chooses to import audio file from Speaker web page, the Media Library on NVR will not be able to sync with it.

c. Use alarm linkage , two-way audio & one-way broadcast:

1. alarm linkage:

New linkage mode is added for perimeter events (Line Crossing, Intrusion, Region Entrance,

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	9 of 9

Region Exiting) and movement detection events, enabling speakers to select configurable events for broadcast

For example, IP Speaker linkage on IPC motion detection events, go to 'Linkage Action- Audio and Light Alarm Linkage', choose IP Speaker and use of audio file, click 'Apply':

NVR	Live View	Playback 🔂 Search	Configurati	on	0 🗕 🍍 🕁 🛈
System	> Motion Detectio	n Video Tampering Video	Loss Alarm Input	t Alarm Output Flashing Light .	Alarm Output Audio Alarm Output I
Network	> Ca	amera [D1] test			
Camera	> E	nable			
Device Access	> Area Arming S				
Event			Trigger Cha	Audio and Light Alarm Linkage	
Normal Event	Alarm Pop-up			Speaker01	
Perimeter Protection	Buzzer Alarm	□Local->2	D2	testfilı _k .mp3 ~	
Face Recognition	□ Notify Surveilla	Local->3	D3	None	
Smart Scene		□Local->4		testfile.mp3	
		□ 10.9.96.11:8000->1			
Non-Video Event		□10.9.96.53:8000->1			
Other Events		10.9.96.53:8000->2	D8		
Intelligent Search	>				
Record	> I				
Serial					
⇐ Easy Mode	Apply				

2. two-way audio:

IP Speaker must support built-in MIC so that user can two-way audio with it.

IP Speaker must be linked to certain IPC channels for two-way audio to function.

Two-way audio in Local GUI:

User must connect MIC to local Line-In and Speaker to local Line-Out and click 'Turn On Two-

Way Audio' on liveview page to start two-way audio:

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	10 of 9



Two-way audio in WEB GUI:

User need to make sure his PC has MIC device and MIC authority is allowed for WEB to access before he continues with this operation.

Click MIC icon on the bottom of the liveview page and choose the last shown MIC icon:



The first two MIC icon is used to two-way audio with NVR Local GUI on HDMI or VGA. The last MIC icon is used to two-way audio with IPC or IP Speaker(if the IP Speaker is linked to IPC, the priority is to two-way audio with IP Speaker).

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	11 of 9

3. one-way broadcast:

User must connect MIC to local Line-In and Speaker to local Line-Out and click 'Broadcast' on liveview page to start one-way broadcast:



User can choose multiple IP Speaker to one-way broadcast together.

One-way broadcast on WEB GUI:

User need to make sure his PC has MIC device and MIC authority is allowed for WEB to access

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	12 of 9

before he continues with this operation.

User can use the Speaker Icon on the bottom of the liveview page and click it to start one-way

broadcast:



User can choose multiple IP Speaker to one-way broadcast together.

Title:	How to use FM2466 on NVR 5.0	Version:	v1.0	Date:	27/02/2023
Product:	NVR			Page:	13 of 9

Notes:

1) Two-way audio and one-way talk have the same priority, while event linkage audio has lower level priority. Hence, two-way and one-way audio can interrupt event linkage audio, and event linkage audio cannot interrupt one-way and two-way audio.

2) For now users cannot upgrade speaker via NVR.

3) Now the name of audio file uploaded cannot be Chinese.

4) Speaker's audio cannot store in NVR.

