SIP Live Talkdown: IP Horn Speaker connection and requirements

Monitoreal Appliance can support any IP Horn Speaker that works with the SIP protocol (Session Initiation Protocol, which is used for real-time live communication).

Speaker preparation:

1. Select a relevant IP Horn speaker and go to its settings.
2. Enable SIP communication (location within the settings may vary depending on the IP Speaker brand).
   a. Within the SIP communication settings, enable the following codecs to ensure stable communication between the appliance and the IP Speaker:
   - G.711 PCMU/mulaw
   - G.711 PCMA/alaw
3. Specify the SIP port (When not specified, such speakers use port 5060 by default).

Adding the IP Speaker to a Monitoreal Appliance:

Once **Step 3** has been completed, go to the Web User Interface (WUI) of the Monitoreal Appliance (MR) and proceed to: **Settings → Audio**.
From there, proceed to add your IP Horn Speaker using one of the following options (points 4&5 below):

4. Automatic Search. (Will become available in one of the upcoming firmware versions of Monitoreal Appliance)
   This option will require you to specify the Speaker's login credentials. Optionally, you can specify the IP address of your desired speaker. Otherwise, the MR will find all IP Speakers in your range and add them.

Other devices   Search   Add IP speaker
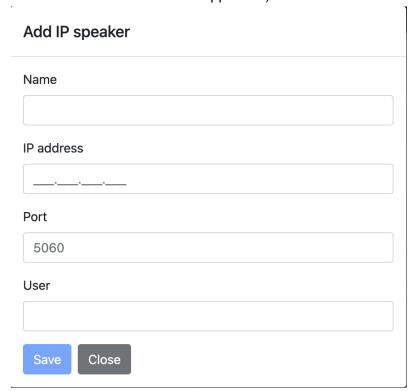
No devices

Username

Password

Optional

___.___.___.___

or

5. Manual addition.
This option will require you to specify the following:
   ● Name - custom name;
   ● IP address - the IP address of your speaker;
   ● SIP port - the SIP port you have set in the settings of your IP Speaker (refer to point 3);
   ● User - the User profile name to look for in the SIP server (optional field);
   ● Login credentials - the Username & Password to be used when logging on to the SIP server (Optional fields. Will become available in one of the upcoming firmware versions of Monitoreal Appliance).

Add IP speaker

Name

IP address

_____._____._____._____

Port

5060

User

Save   Close

6. Once you have successfully added your IP Speaker, you can proceed to upload an audio file to your MR on the same "Audio" page in the relevant field.

📄 Audio files

Choose audio file   Browse   Upload

7. Once both the IP Speaker and the desired audio file have been added to the system, you can start creating audio actions in your rules. (Please refer to the User Manual: Add Audio Actions for creating the detection-related audio actions.)

8. In order to fully utilise the Live Talkdown feature, please use the Monitoreal Global Management system.

Important note: In the case where the MR and the Speaker are connected to the same network (e.g. 192.168.**50**.xx), the device will be able to communicate with the Speaker seamlessly.
In the case of the MR and the Speaker being in different networks, the Speaker's IP address will need to be made publicly available (outside the connected network) for the MR to be able to communicate with it.