

# **IS-380 IP Alarm trigger**

## User Manual



**PORTech Communications Inc.**

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# 1. Brief Introduction

IS-380 is a IP Alarm trigger .  
Using dry contact connect with sensor  
when trigger NO->NC or NC->NO, audio music server will active schedule to play  
mp3/wav file to single speaker or group speaker to Alarm

Example:

Reservoir gate have a sensor and connect with our IS-380 via dry contact  
The reservoir gate open, trigger NO->NC. IBS System will play a mp3 preprogram file to  
specific speaker

# 2. Main body Size

(L) 17 X (W) 14.5 X (H) 3.9 cm

# 3. Product Package Content

## 3.1 Host X 1



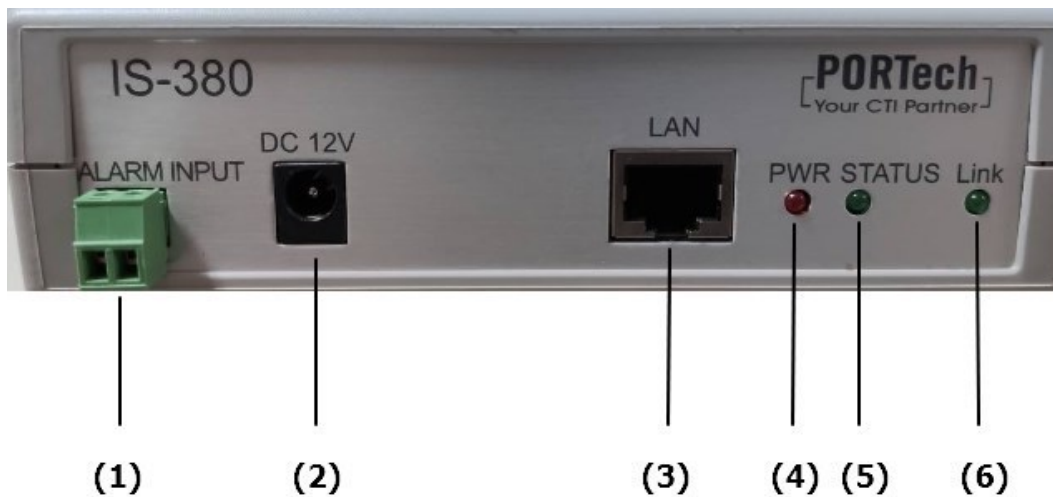
## 3.2 Ethernet line 2M X 1



## 3.3 Power Adaptor (output : DC 12V -- 1A) X 1



## 4. Panel Introduction:



(1) ALARM INPUT: dry contact input; can connect with device that have dry contact output

(2) DC 12V : power supply input interface

(3) LAN: network port; insert network line to establish network connection

(4) PWR: power supply indicator lamp

(5) STATUS :

indicator lamp of sound output state

Constantly on: Audio Out 2 has sound output

Flash at 3 seconds intervals: the broadcast point is successfully registered in IS

Music/Audio Server

Blink continually: trigger NO->NC or NC->NO

Off: the broadcast fails in registering in IS Music/Audio Server

(6) Link : network connection indicator lamp

## 5. IS Music/Audio Server and IS-380 diagram



## 6. Web picture

Step 1: open IE browser (or other browser software), input [http://192.168.0.100]

Step 2: enter [Login WEB] picture, input [Username & Password (defaults: username: voip , Password: 1234)] , and then click [OK] to enter the equipment management interface after confirming the password is correct (as shown in the following picture).



Step 3: you can see [System Information] interface after entering the system, which provides data of Model Name, Firmware Version and Code Version.



### IS-380 v1.271a1

Model Description:	IP Speaker for LAN Vocal PA System.
Firmware Version:	Mon Sep 23 12:07:30 2019
Codec Version:	Thu Jul 29 11:15:45 2010
Contact Address:	150, Shiang-Shung N.Road., Taichung, Taiwan, R.O.C.
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## 7. Set the main interface

It provides the following function items: Network, SIP Setting, System Auth, (Account and Password Change), SaveChange, Update and Reboot. Description of function items.

### 7.1 Description of function items



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**IS-380 v1.271a1**

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Contact Address:	150, Shiang-Shung N.Road., Taichung, Taiwan, R.O.C.
Tel:	886-4-23058000
Fax:	886-4-23022596
E.mail	<a href="mailto:sales@portech.com.tw">sales@portech.com.tw</a>
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- (1) **Network** : Network provides Status and WAN Setting
- (2) **SIP Settings** : SIP Setting provides Service Domain (SIP registration setting) , Port Setting (SIP and RTP ports setting) , Code Setting (voice format setting) , Audio Setting (loudspeaker volume and sound detection setting) , Other Setting.
- (3) **Update** : Update (firmware updating) provides Firmware (firmware updating) , Default Settings (factory reset).
- (4) **System Authority** : System Auth (Account and Password change) provides change of user's account and password.
- (5) **Save Change** : Save Change provides setting of save change environment.
- (6) **Reboot** : Reboot provides the function of rebooting a device.

# 8. Network (Network Environment)

## 8.1 Status (network status)

Network Status (network status) picture shows the date of current network environment status (as shown in the following picture) ◦

Master	WAN Interface
Type	DHCP Client
IP	192.168.0.127
Mask	255.255.255.0
Gateway	192.168.0.254
MAC	00037E0152F9

Column	Introduction
Master	Show the network environment data of the network port (WAN port)
Type	Show current network connection mode
IP	Show set or gained network address data
Mask	Show set or gained network coding data
Gateway	Show set or gained preset gateway data
MAC	Show MAC position data of the machine



## 8.2 WAN Setting (WAN network setting)

WAN Setting (WAN network setting) picture provides WAN network connection mode.

<b>WAN Setting</b>	<b>Provide WAN port network environment setting data</b>
IP Type	Preset to be DHCP Client network mode. Provide Fixed IP, DHCP Client (automatically obtain an IP address) and PPPoE mode. Fixed IP: set IP address manually. DHCP Client (automatically obtain an IP address): automatically obtain an IP address. PPPoE (connect PPPoE): adopt PPPoE connection mode.
IP	Show IP address data. Show gained or set IP address data.
Mask	Show subnet mask data. Show gained or set subnet mask address data.
Gateway	Show preset gateway data. Show Show gained or set preset gateway address data.
DNS Server1	Preset to be 168.95.192.1; show gained or set first DNS server's address data; IP or Domain Name can e input
DNS Server2	Preset to be 168.95.1.1; show gained or set second DNS server's address data; IP or Domain Name can e input
MAC	Show MAC position data of the machine
<b>PPPoE Setting</b>	<b>Provide PPPoE connection data</b>
User Name	Set connection account name, in which figures or strings are available
Password	Set connection account password, in which figures or strings are available
Submit [key]	Execute storage and change setting.
Reset [key]	Clear input data.
*Press [submit] to finish storage setting after changing the data to be adjusted, and select the main menu's [SaveChange], to execute storage change setting, the system will restart automatically *	

### 8.3 SNTP Setting

**SNTP Setting** picture provides server address and timing time.

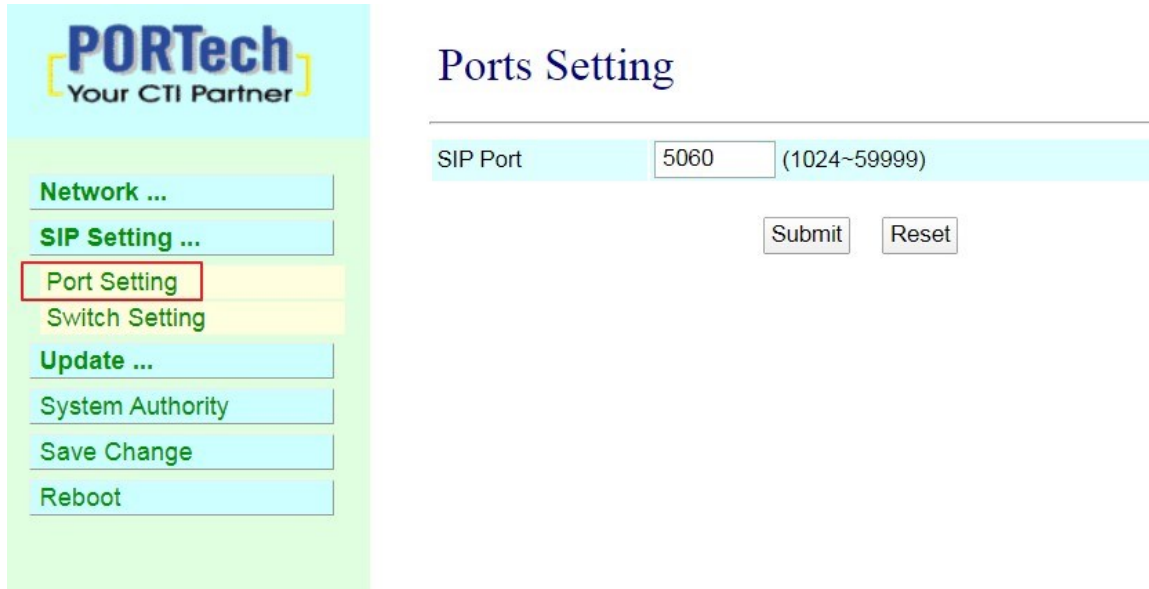
Column	Introduction
SNTP	Preset to be On (start); timing function. Turn off timing function when it is set to be Off.
Primary Server	Preset to be time.windows.com; the first syn-position timing server address. Input IP or Domain Name address.
Secondary Server	Preset to be 208.184.49.9; the second syn-position timing server address. Input IP or Domain Name address.
Time Zone	Preset to be GMT + 08:00 (hh:mm); timie zone material.
Sync. Time	Preset to be 1:00:00 (1 day); timing time. Correct the host time every a certain peroid.
Submit [key]	Execute storage and change setting.
Reset [key]	Clear input data.

**Press [submit] to finish storage setting after changing the data to be adjusted, and select the main menu's [SaveChange], to execute storage change setting, the system will restart automatically \***

# 9. SIP Setting

## 9.1 Port Setting (SIP port setting)

Port Setting (SIP port setting) picture provides setting of SIP communication port positions.



Column	Introduction
SIP Port	Preset to be 5060; set SIP port position.
Submit [key]	Execute storage and change setting.
Reset [key]	Clear input data.

Press [submit] to finish storage setting after changing the data to be adjusted, and select the main menu's [SaveChange], to execute storage change setting, the system will restart automatically \*

## 9.2 Switch Setting

Setting about connecting with IS Music/Audio Server and 及 Trigger mode

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### Switch Setting

2020-03-02 09:33

Channel	
Active	<input type="radio"/> Yes <input checked="" type="radio"/> No
SID	IS-0168BA-0
Debounce	200 (range:20~5000ms, step:20ms.)
LED Alert	<input type="radio"/> Open <input checked="" type="radio"/> Short (will be changed by server.)
Name	<input type="text"/> (site description...)
Server	<input type="text"/>
Status:	Not Registered, open

Column	Introduction
Active	Default No ; set if connect with IS Music/Audio Server or not
SID	System provide device ID auto
Debounce	Default: 200ms ; set the Debounce time of Trigger contactor.if default 200ms, triggerduration is less than 200ms,it mean No trigger
LED Alert	Default Short ; set STATUS LED flash trigger mode
Name	Define display name in IS Music/Audio Server
Server	Set IS Music/Audio Server IP address and port
Status	Display current status if connect with IS Music/Audio Server and dry contact status

**Press [submit] to finish storage setting after changing the data to be adjusted, and select the main menu's [SaveChange], to execute storage change setting, the system will restart automatically \***

# 10. Update

## 10.1 New Firmware

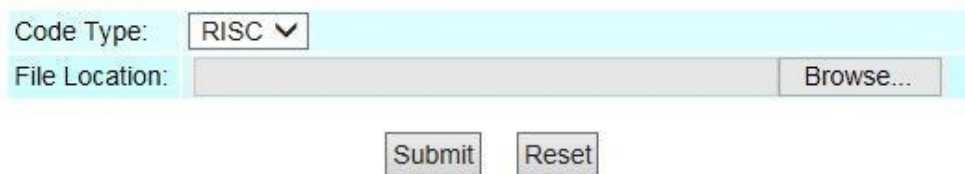


Code Type	Preset to be Risc (.gz). Select the type of documents to be updated. Provide Risc (system firmware. gz) and DSP (DSP firmware. ds) updating modes.
File Location	Input file position or name to be updated or press [Browse] to select file data; version name of the file to be updated.
Submit[key]	Execute storage and change setting.
Reset [key]	Clear input data.

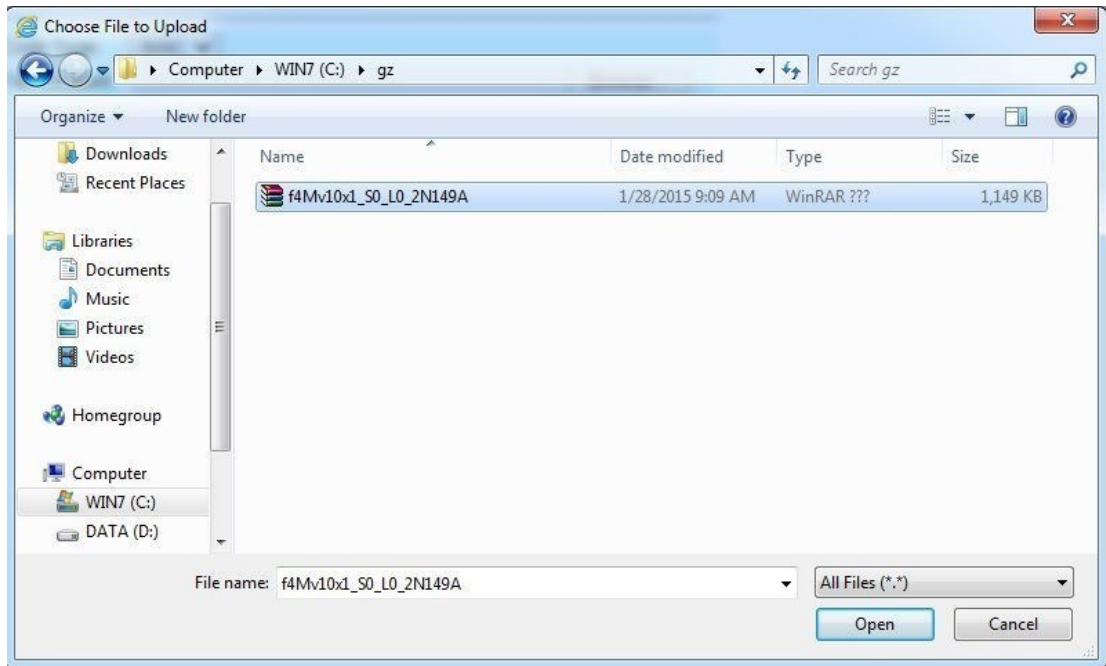
Step 1: click [Update€New Firmware] on the surface to enter [Update Firmware], to set version to be updated and select Code Type: Risc, then set File Location data, to set [Broswe] key (as shown in the following picture).

### Update Firmware

Ver = v1.130, GZ = r4IPA,x1, PCB = IS640.



Step 2: enter [select file] interface, to select [gz] file to be updated [for example, VP5110\_70105.gz], and then press [open] (as shown in the following picture), to return to the main interface.



Step 3: back to [Update Firmware], wherein [File Location] has data to be updated if it is confirmed to be correct; please press [Submit] to start updating (as shown in the following picture).

## Update Firmware

Ver = v1.130, GZ = r4IPA,x1, PCB = IS640.

Code Type:	<input type="text" value="RISC"/>
File Location:	<input type="text" value="C:\gz\f4Mv10x1_S0_L0_2N149A.gz"/> <input type="button" value="Browse..."/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Step 4: enter [information prompt] picture, showing [please do not pull out power supply equipment at random in version updating, the updating time is about 3 minutes] (as shown in the following picture).

## Note Information

**Waiting Message**  
waiting for system updating & rebooting...

Step 5: back to the main interface after firmware updating, please press [reload (F5)]. Conduct other settings.

## 10.2 Default Setting

Restore Default Setting provides data content of all change setting (not containing data in Network) to restore default setting value; the system will automatically restart.



Column	Introduction
Restore [key]	Remove all change setting data to restore default setting.

Step 1: click [Update€Default Setting] in the main interface to enter [Restore Default Settings]. Please press [Restore] to restore default, to clear all settings and restart the equipment automatically (as shown in the following picture).

## Restore Default Settings

Restore default settings: default

Step 2: enter the informatoin prompt interface to finish clear setting and restart the system, please wait (as shown in the following picture).

## Note Information

### Booting

Please wait for a moment while rebooting ...

Step 3: back to the main interface after starting up, please press [reload (F5)] Conduct other settings

# 11. System Authority

Set system authority

Column	Introduction
New username	Input the new user's data Input digits or string.
New password	Input new password Input digits or string.
Confirmed password	Input and confirm password Input digits or string.
Submit [key]	Execute storage and change setting.
Reset [key]	Clear input data.

Press [submit] to finish storage setting after changing the data to be adjusted, and select the main menu's [SaveChange], to execute storage change setting, the system will restart automatically \*



## 12. Save Change

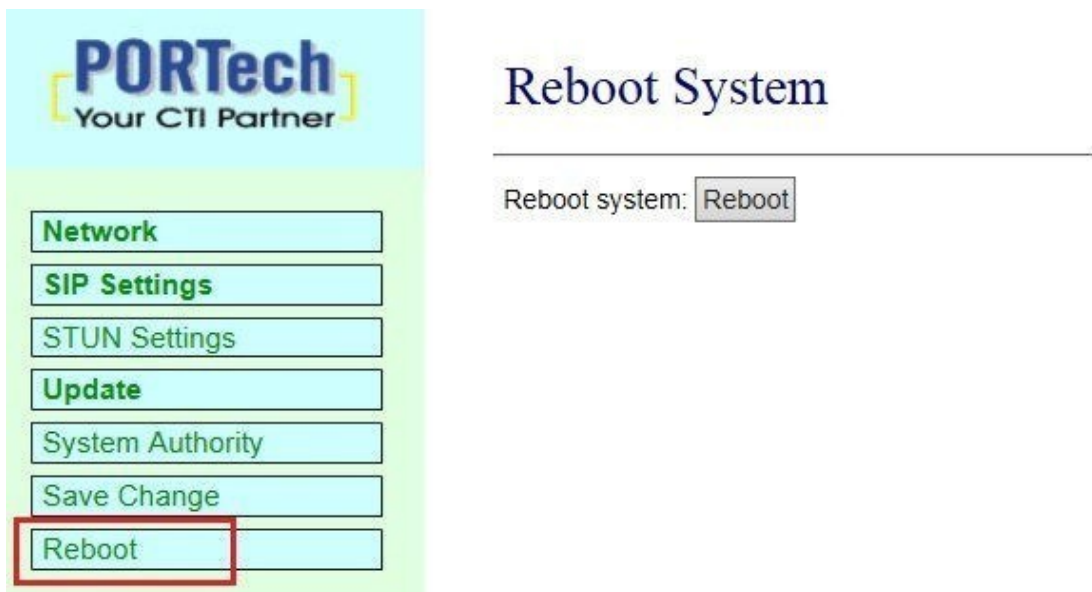
Save Changes provides save changes setting and restart system automatically.



Column	Introduction
Save [key]	Execute storage and change setting.

## 13. Reboot

Reboot System interface provides manual reboot.



Step 1: click [Reboot] in the main interface to enter [Reboot System] and then press [Reboot] to reboot the system (as shown in the following picture).

## Reboot System

Reboot system:

Column	Introduction
Reboot [key]	Reboot the equipment

Step 2: enter the information prompt interface, showing that the system is rebooting, please wait (as shown in the following picture); do not pull out power supply equipment at random at the moment.

## Note Information

### Booting

Please wait for a moment while rebooting ...

Step 3: back to the main interface after starting up, please press [reload (F5)] to conduct other environment settings.

# 14. IS-380 work with IS-Audio/Music server

Setep 1: please access IS-380 WEB. Then choose "SIP Setting"-> "Switch Setting"

Setep 2: set following 4 options

Active : Active choose " Yes"

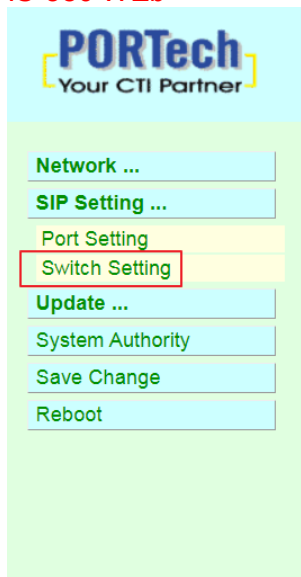
LED Alert : when "Open"(NC->NO) or "Short"(NO->NC), IS-380 Status LED Lights fast flash.  
It mean trigger IS-380

Name : set the display name of IS-380 in IS-Audio/Music server

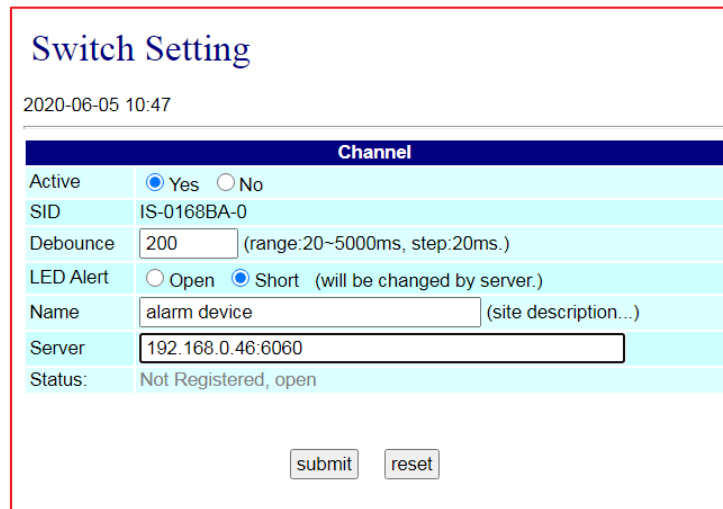
Server : set IS-Audio/Music server's IP address and port(default 6060)

Setep 3: click "submit" -> "Save Change" to save change and reboot device

## IS-380 WEb



The screenshot shows the left-hand navigation menu of the IS-380 web interface. At the top, there is a logo for "PORTech" with the tagline "Your CTI Partner". Below the logo, there is a list of menu items: "Network ...", "SIP Setting ...", "Port Setting", "Switch Setting" (which is highlighted with a red box), "Update ...", "System Authority", "Save Change", and "Reboot".



The screenshot shows the "Switch Setting" configuration page. At the top, the title "Switch Setting" is displayed in blue. Below the title, the date and time "2020-06-05 10:47" are shown. The main content area is a table with a dark blue header "Channel". The table contains the following fields:

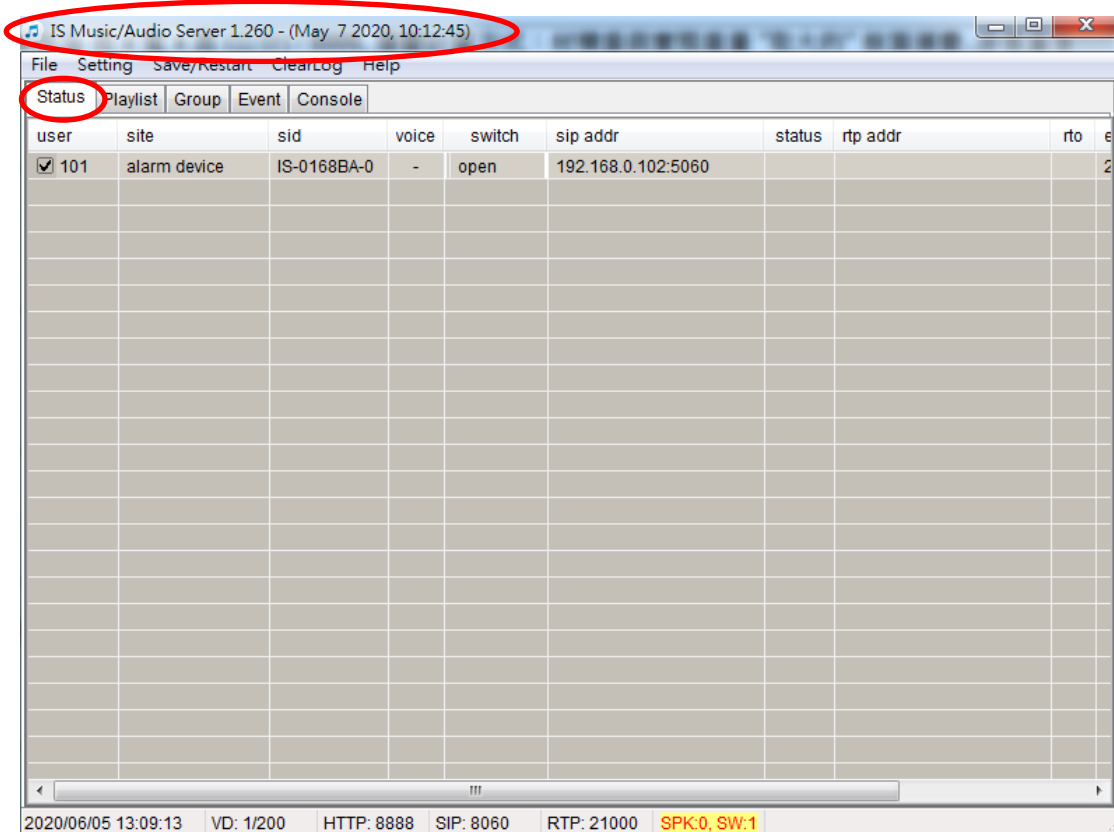
Channel	
Active	<input checked="" type="radio"/> Yes <input type="radio"/> No
SID	IS-0168BA-0
Debounce	<input type="text" value="200"/> (range:20~5000ms, step:20ms.)
LED Alert	<input type="radio"/> Open <input checked="" type="radio"/> Short (will be changed by server.)
Name	<input type="text" value="alarm device"/> (site description...)
Server	<input type="text" value="192.168.0.46:6060"/>
Status:	Not Registered, open

At the bottom of the form, there are two buttons: "submit" and "reset".

Step 4: After reboot, you can open IS Music/Audio Server

Click status

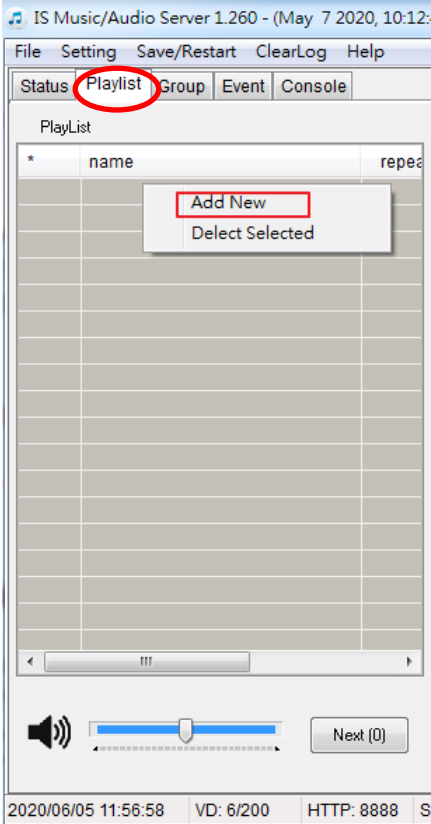
You can find site – the display name you set on IS-380 web (example: you set “alarm device”) and switch status



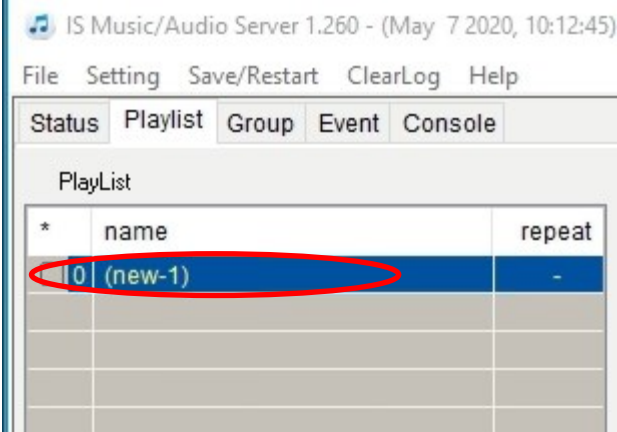
Setep 5:you can create the songlist in "Playlist"

The Setting as follows.

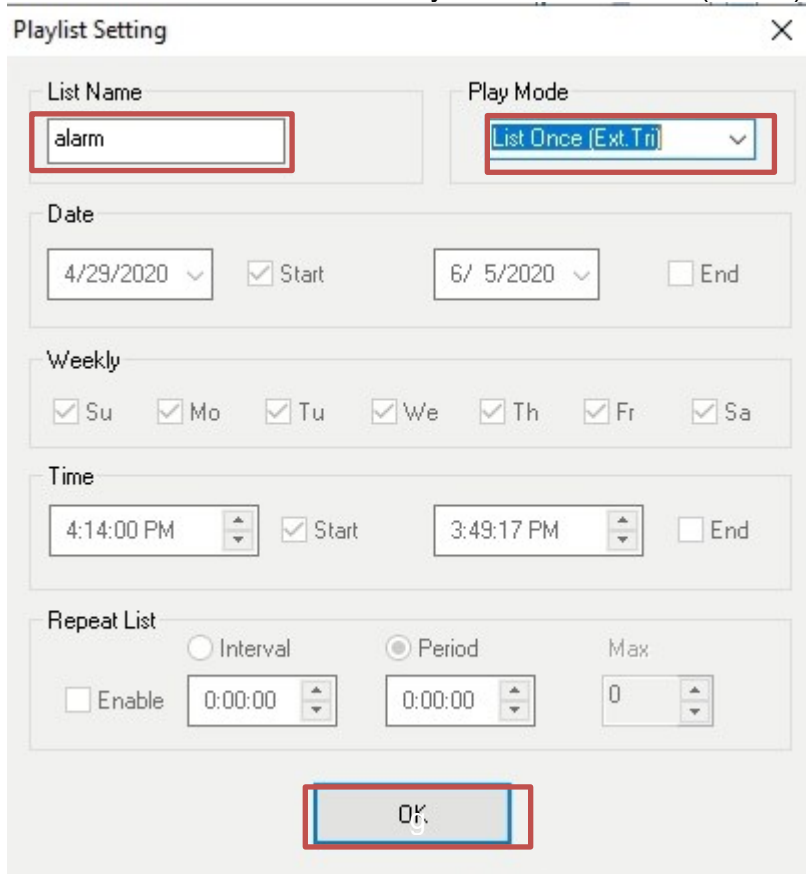
a.in "PlayList" and click mouse right key and click "Add New"



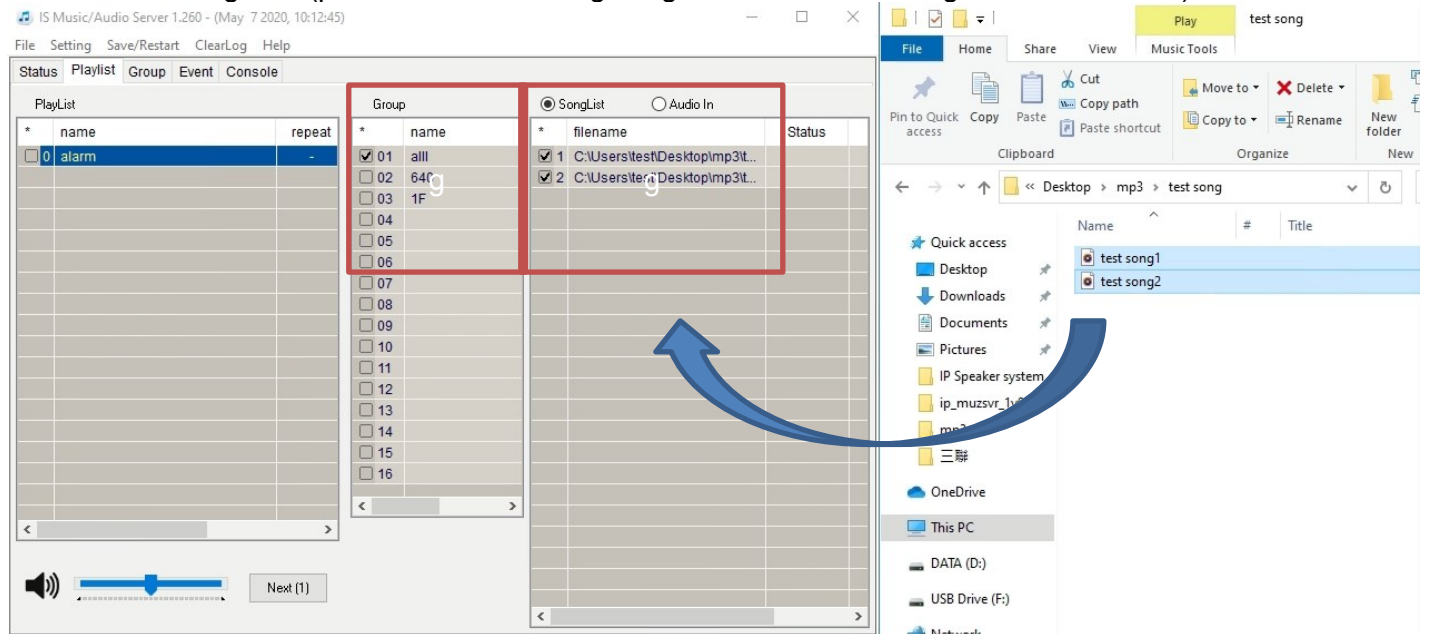
b.click mouse left key twice in create item and will show the setting screen as follows.



c. Defined List Name and set PlayMode as “List Once(Ext.Tri)” ,then click ”ok”

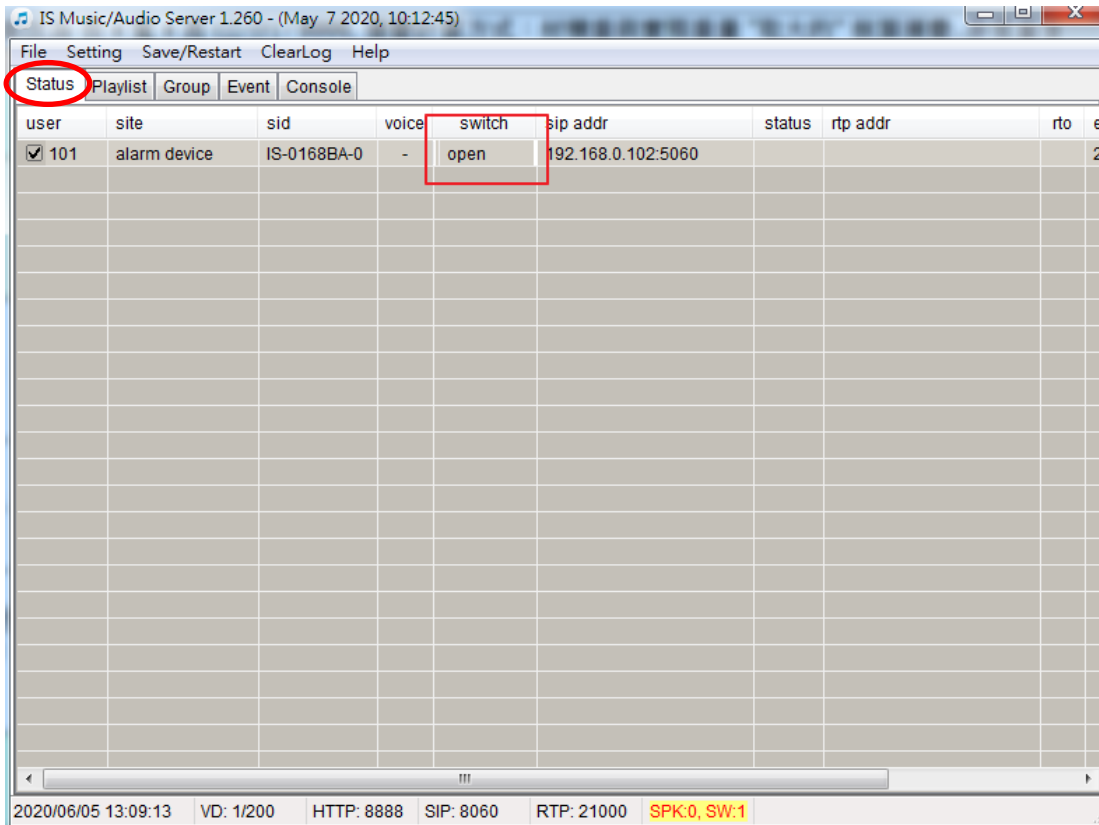


d.set the group and songlist  
 choose the speaker group(that want to use mp3 file broadcasting when trigger)  
 then choose songs file (please use mouse drag song files from File manager to filename list)

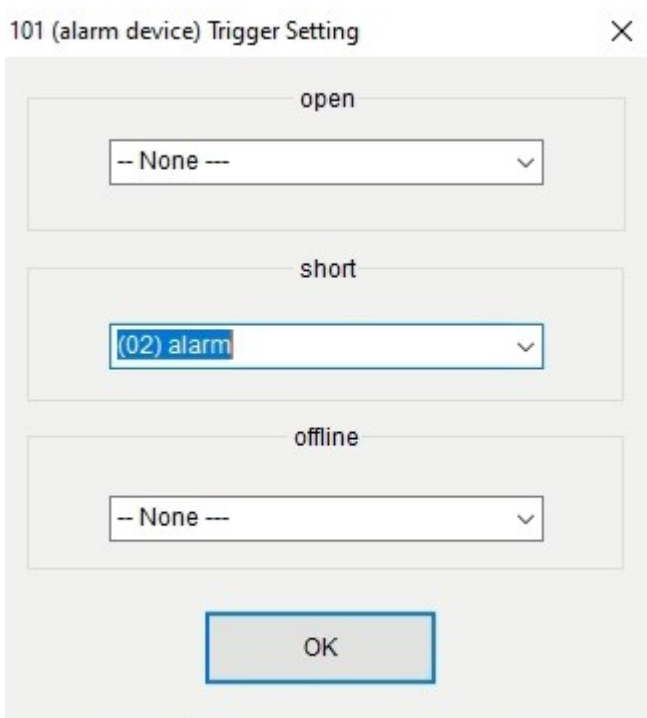


Setep6 :in IS Audio/Music Server and **Status**.

You can find IS-380 display name and click module left key twice one switch field (e.g open)



Setep7 : set trigger setting. Example if you set short on IS-380, you should set "short"(NO->NC)  
Then choose is-380 device





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