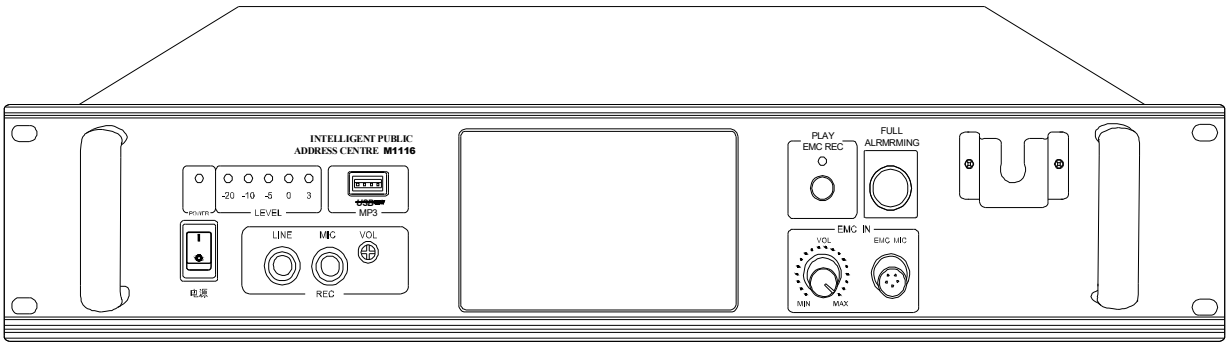
Public Address System

Micro Intelligent Host

M1116/M1116D



Operation Instructions

Welcome to use our public address system. For the better application of this equipment, please read the operation instruction carefully prior to use.

LY International Electronics Co., Ltd.

www.lyintlcorp.com

About this Manual

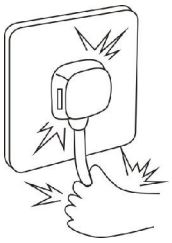
This manual contains the micro-intelligent M1116 / M1116D equipment system introduction, the use of precautions, system connection instructions, product use instructions and many other contents. Please read this manual carefully before connecting and installing. And follow the instructions in the instructions to operate.

A description of this logo on the rear panel of the equipment is a matter that must be noted.Be sure to use or follow these instructions when using it

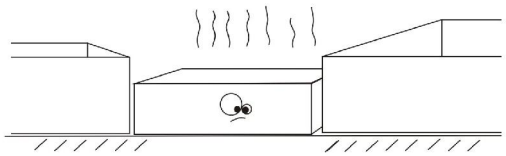
⚠ Warning

This symbol indicates "forbidden content" **This symbol indicates "compulsory content**

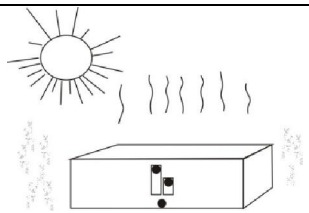
■ Please make sure that the power wire is NOT damaged. Do NOT unplug the equipment by pulling the power wire; otherwise it may cause electric shock, short circuit or fire.



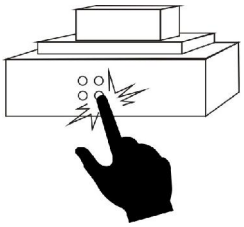
■ When the equipment is in use, DO NOT block the air outlet which should be kept clear, in order to avoid overheat.



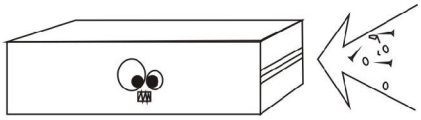
■Do NOT store this equipment in any place with heavy dust or vibration, or where it is extremely cold or hot.



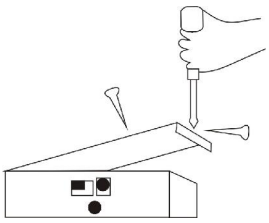
■ Please do NOT place any heavy article on this equipment. Please operate switches, buttons or external audio source carefully.



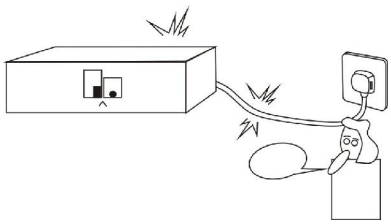
■ Please prevent foreign matters (such as paper, metal etc.) entering the equipment through the gaps or opening, in such cases, please cut off the power supply immediately.



■ Do NOT attempt to remove any internal component from the equipment, or to modify the equipment in whatever manner.

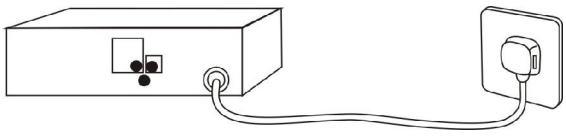


■ In case that sound is suddenly off or there is abnormal odor or smoke, please unplug the equipment from the power socket to avoid potential electric shock, fire or other accident. The equipment should be inspected by professional personnel.



Burning Smell

■ If the equipment is not in use for a long period, please unplug it from the AC power socket to realize zero energy consumption.



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I. Product Description

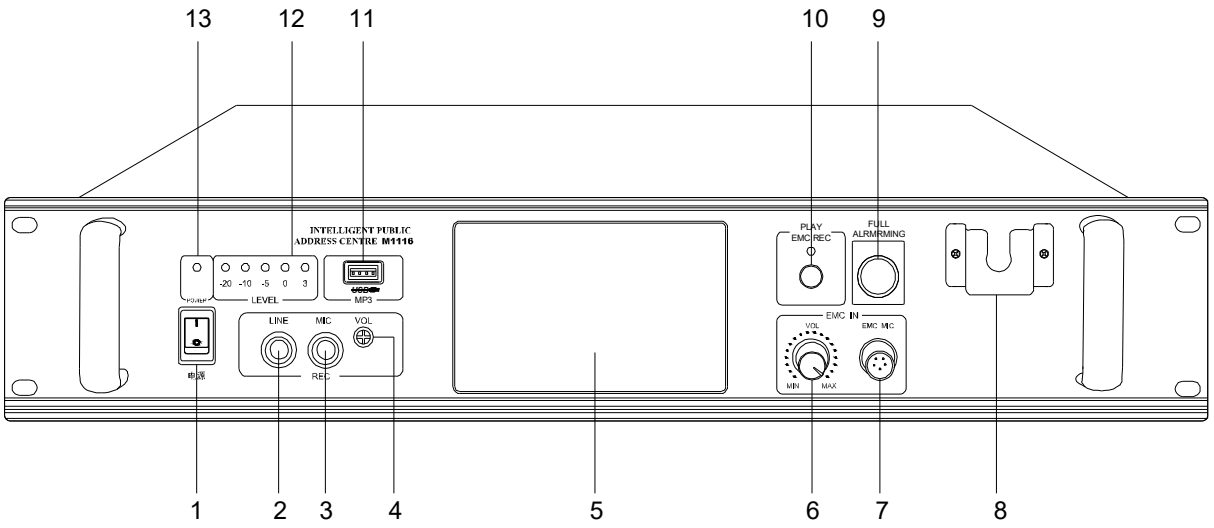
1.1 Specification

- Power supply at 220V and 24V (Only available for M1116D);
- 5.0" resistance LCD touch screen, optional interface in Chinese and English, and built-in 1G memory;
- One channel of fire alarm switch and emergency microphone. The emergency microphone is used for emergency paging and business paging. In case of the emergency paging, it is possible to take up the emergency microphone for paging after the emergency triggering; in case of the business paging, it is possible to take up the emergency microphone for paging after selecting one or more partitions on the local interface;
- One audio playback button, which is used to play the emergency audio recording; the audio shall be recorded with the MIC or LINE port on the panel. For the emergency audio recording, the audio shall be recorded in the format of MP2 with the duration for 10 minutes;
- Background sound source recording. The audio shall be recorded with the MIC or LINE port on the panel. When configuring the factory songs, it is possible to record the audio for 4 hours;
- USB interface: The configured content (Including songs or timing points) may be imported from USB into this equipment; the configured content may also be exported from this equipment to USB. It is also possible to use USB to upgrade the latest software through USB, or to play the music programs in USB, but only the songs in the MP3 audio format can be played;
- Level indicator: It is used to indicate the outputs of all the signal sources;
- RJ45 interface (Connected to PC computer online to download and update the songs at any time, and to download the edition timing point on a remote basis);
- 4 channels of timing power time sequencer (Maximum gross power of 220V/2000W) and 1 channel of short circuit triggering interface (Trigger control time sequencer);
- 2 channels of paging microphone interface (Connected to PB9810R), 1 channel of background and 1 channel of emergency (Paging) line output, and 1 channel of wireless microphone input;
- 10 channels of short circuit triggering. The alarm sound source is generated from this equipment. The alarm level may be a high level (+5V---+24V) or low level (0V);
- It is possible to connect 5 background power amplifiers (Maximum power 2000W) and 1 emergency (Paging) power amplifier (Maximum power is 2000W). 10 channels of partitions are built in (Maximum gross power is 2000W, average maximum power of each partition is 200W; every power amplifier corresponds to 2 channels of partitions. That is to say that the first channel of the power amplifier corresponds to partition No.1 and partition No.2; the second channel of the power amplifier corresponds to partition No.3 and partition No.4, and so on);
- It is equipped with 4Ω /10W (1kHz, 1% degree of distortion) monitoring output.
- It is possible to edit 5 sets of timing programs (Timing in periodic cycle and timing at designated date). In each set of the program, it is possible to edit 200 timing points at most. The content of each timing point shall include the build-in power supply (Only on or off state), partition (Only on or off state), MP3 sound source

(20 songs at most); the timing point may set the end time;

II. Description of Appearance

2.1 Introduction to Front Panel



1. Power switch

Press down the position "T" to indicate the switch-on.

2. Line mode recording interface

The interface used to record the background sound source or emergency sound source.

3. MIC mode recording interface

The interface used to record the background sound source or emergency sound source.

4. Recording volume adjustment knob

Adjust the size of the volume in a mechanical manner.

5. 5.0" LCD touch screen

The display screen is used to display all the information and trends of the system. It is also used as the operation touch screen.

6. Emergency microphone volume adjustment knob

When the arrow of the knob is turned to MIN, it indicates the minimum volume; when turned to MAX, it indicates the maximum volume.

7. Emergency microphone port

The signal of the microphone to be connected to this port shall have the highest priority.

8. Microphone hook

If the microphone is not in service, put the button on the back of the microphone into this hole.

9. Alarm button

This is the system alarm button. Press down this button to send the alarm signal to all the partitions simultaneously; Press down this button again to shut down the alarm and bounce the button up.

10. Audio playback button

It is used to play the emergency audio recording.

11. USB interface

The configured content (Including songs or timing points) may be imported from USB into this equipment; the configured content may also be exported from this equipment to USB. It is also possible to use USB to upgrade the latest software through USB, or to play the music programs in USB, but only the songs in the MP3 audio format can be

played.

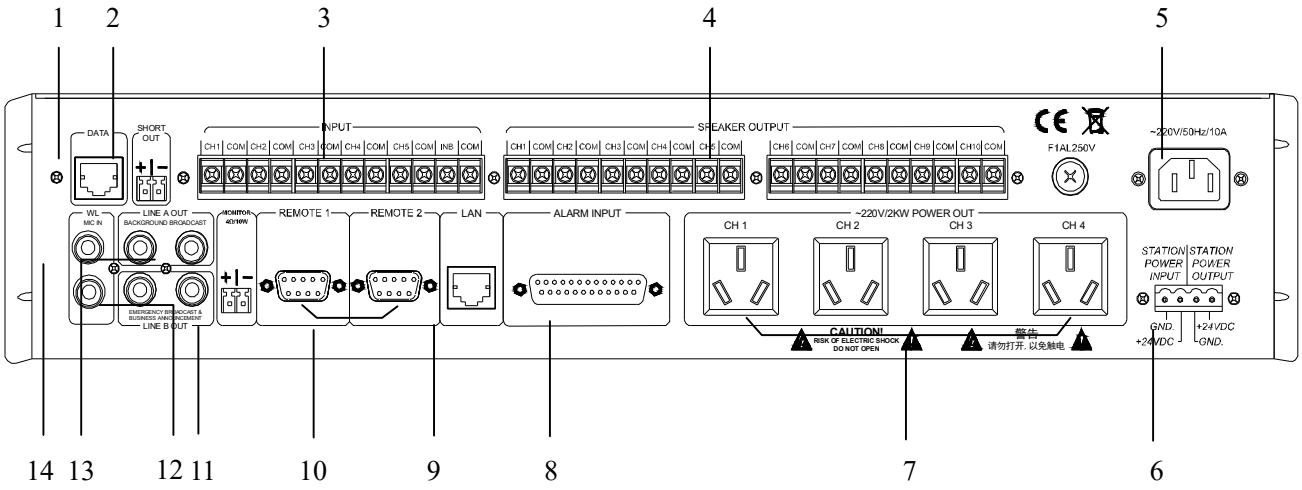
12. Out signal level indicator lamp

The indicator lamp for all the signal source outputs.

13. Power supply indicator lamp

The indicator lamp is on when the power supply is turned on, or is off when the power supply is turned off.

2.2 Introduction to rear panel



1. Data interface (Not in service)

2. Short circuit output interface

It is used to output the low level

3. Partition input

It is used to connect 5 background power amplifiers and one emergency (paging) power amplifier respectively.

4. Power amplifier loudspeaker output port

The partition output terminals CH1 to CH10 are connected to the loudspeaker boxes in the corresponding partitions respectively in order for the direct output of the audio signal.

5. AC220V power supply input socket

The working power supply to this equipment shall be connected through this interface; when connecting, first insert the socket on this equipment, and then connect the grid.

6. DC 24V power supply input (Only available for M1116D)

DC 24V backup power supply input interface.

7. Power supply output interface

It is used to provide the AC220V working power supply to the other equipment.

8. Partition alarm signal input interface

It is used to input the signal from the fire service center.

9. Network interface

It is connected with PC computer to download and update the songs at any time and to download and edit the timing points on a remote basis.

10. Remote pager connector

There are two remote pager connectors (9-pin D-type data serial port), which are used to connect the remote pager equipment (PB9810R) directly.

11. Monitoring output

The maximum output power is 4Ω /10W (1kHz, 1% degree of distortion)

12. Line B channel output interface

The emergency business sound source output interface.

13. Line A channel output interface

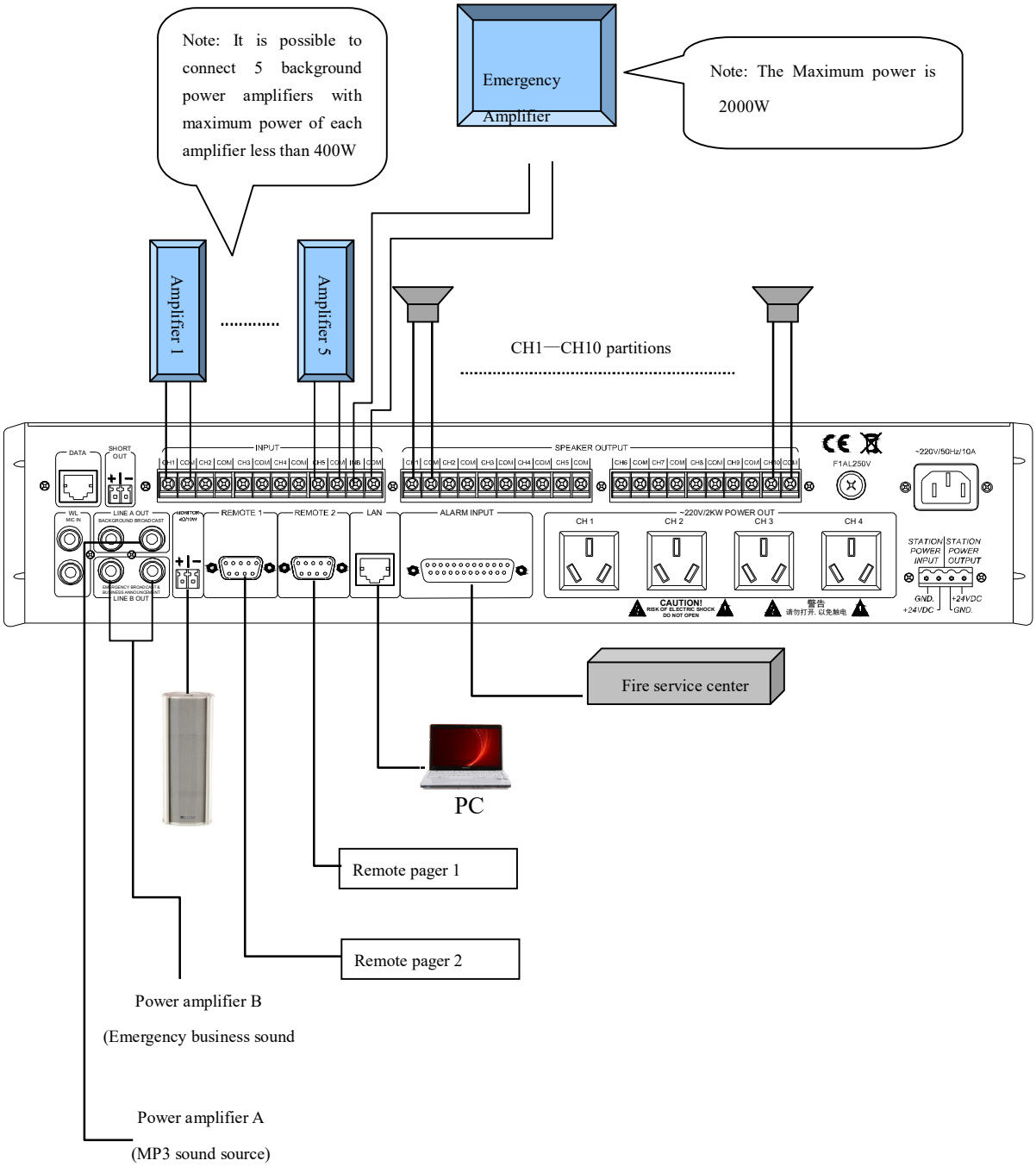
MP3 sound source output interface.

14. Wireless microphone input interface

It is used to input the signal generated by the wireless microphone. If the signal is not big enough, it is required to equip the pre-amplifier to connect to this interface.

III. Instructions to Connection

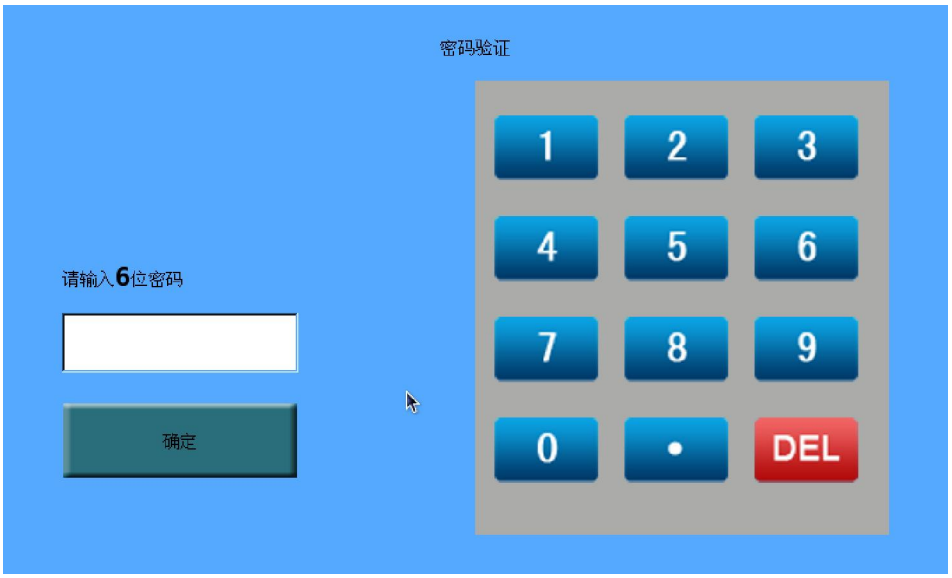
3.1Connection diagram



IV. Instructions to Operation

4.1Description of main interface

Turn on the power supply and the equipment will start to boot. In such case, if the equipment enables the system password, it is required to enter the password for verification as shown in the figure below. After entering the password, press the button “OK” to enter the main interface.



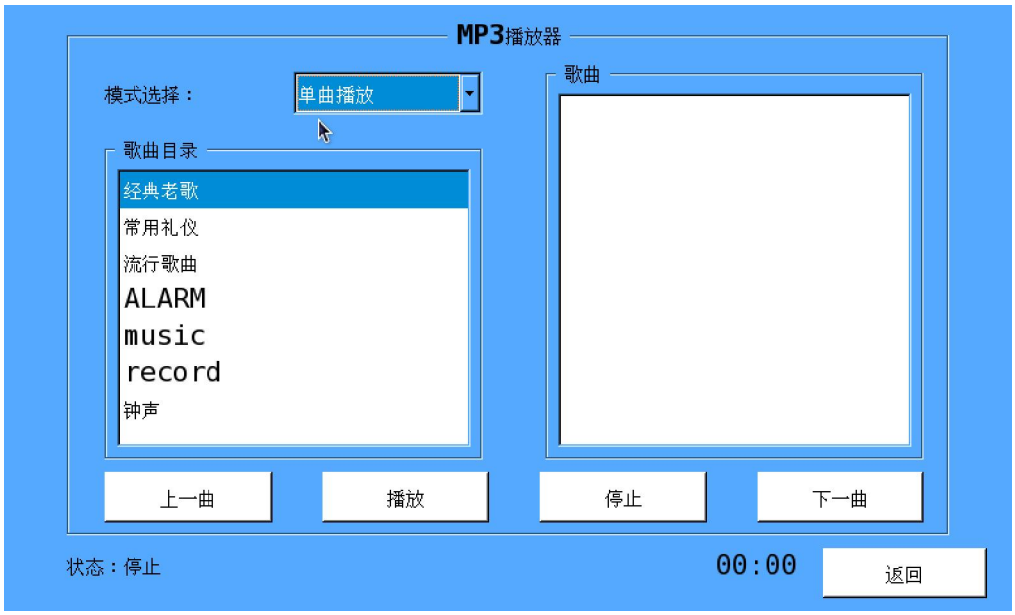
The main interface is shown in the figure below. The information to be displayed on the main interface shall include the current time and date, state of timing point, sound source operation including MP3 program, state of 10 partitions, power supply output control state and operation, setting of program control / manual control, setting of monitoring, setting of business paging, operation options, and other operations.

Main Interface

（1）MP3 control

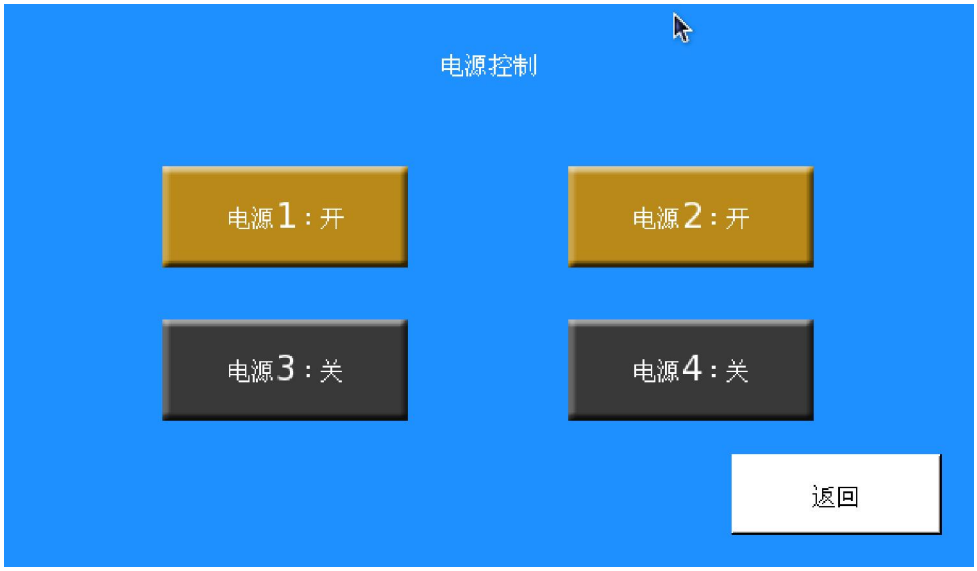
Clicking the “MP3 control” button on the main interface and then enter the MP3 operation interface as shown in the figure below:

For the operation of playing, firstly, selecting the directory (For example, select the “classical music”) in the “directory of songs” on the left side, and the tracks under such directory will appear in the list of “songs” on the right side, and then set the play mode in the “mode selection” on the top left corner of the interface (For example, select the “directory cycle”), and click the button “play” to play the songs, which are displayed as playing in the state bar on the bottom left corner of the interface, and click it to return to the main interface.



（2）Output power supply

Click the button “power supply” on the main interface and then enter the output power supply operation interface as shown in the figure (1) below. This system is equipped with 4 channels of the output power supply control. Clicking the power supply button directly,which is controlling the on/off of the power supply. The output power supply is also subjected to the automatic timing control. Upon the completion of the operation, just click the return button.



(Figure 1) Output Power Supply

（3）Shift of program control / manual control

As shown in the figure above, directly click the button “program control / manual control” to shift between the program control and manual control.

Note: After setting the timing point, be sure to set this button as “program control” to execute the timing point; If such button is displayed as “manual control”, all the timing points will not be executed.

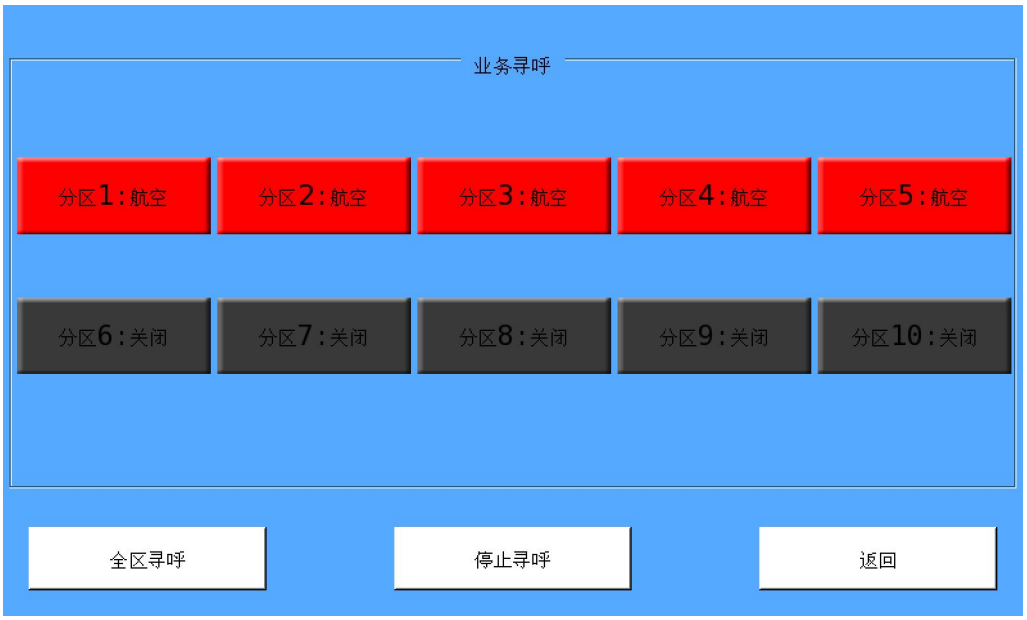
(4) Monitor

Click the button “monitor” on the main interface and then enter the monitoring operation interface as shown in the figure (2) below. In this system, there are two kinds of monitoring sound source modes for switching (Background sound source and emergency & business broadcasting sound source). On this interface, please directly click either of the monitoring sound sources (the button displayed in green indicates that it is selected), and then set the monitoring volume.

(Figure 2) Setting of Monitoring

(5) Business paging

Click the button “business paging” on the main interface which is popping up the following operation interface, and press down the partition to be paged. It is allowed to press down the button “select all partitions” or directly click the partition to be paged for paging, and the button of such partition will be displayed in red (Indicating that this partition is selected and paged).



(Figure 3) Setting of Business Paging

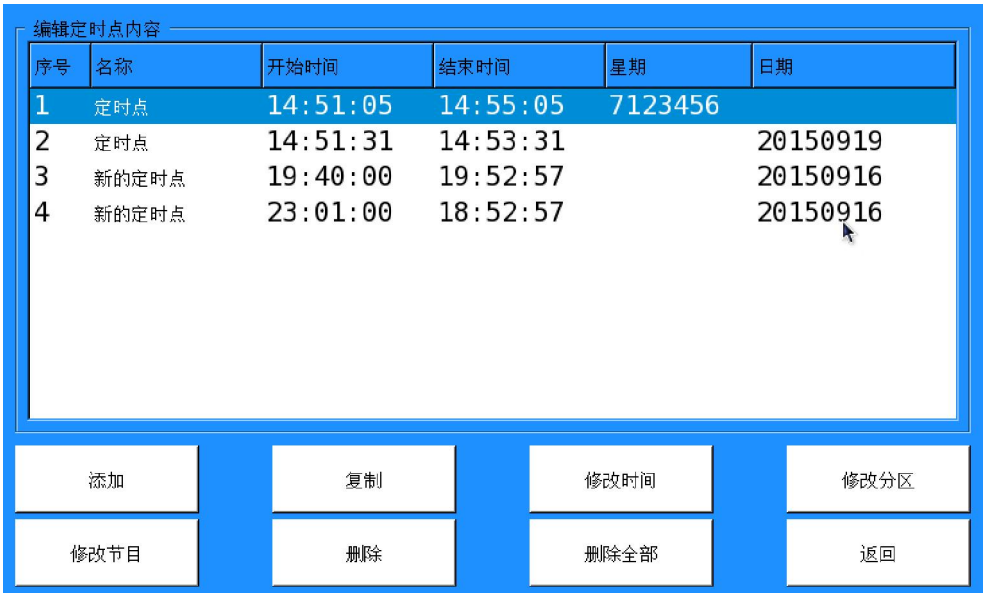
4.2 Setting of system

On the main interface, click the button “operation option” to enter the system setting interface as shown in the figure (4) below. On the system setting interface, it is allowed to set the overall information of the system. Prior to the playing and other actions on the main interface, all the items shall be set properly in the system setting, so that all the functions of the system will execute and operate accurately.

(Figure 4) Operation Options

(1) Setting of timing

On the interface of operation options, click the “setting of timing” to enter the interface as shown in the figure (5) below. On this interface, there are the timing points, which have been edited properly, and the information on the functions of the timing points.



(Figure 5) Setting of Timing

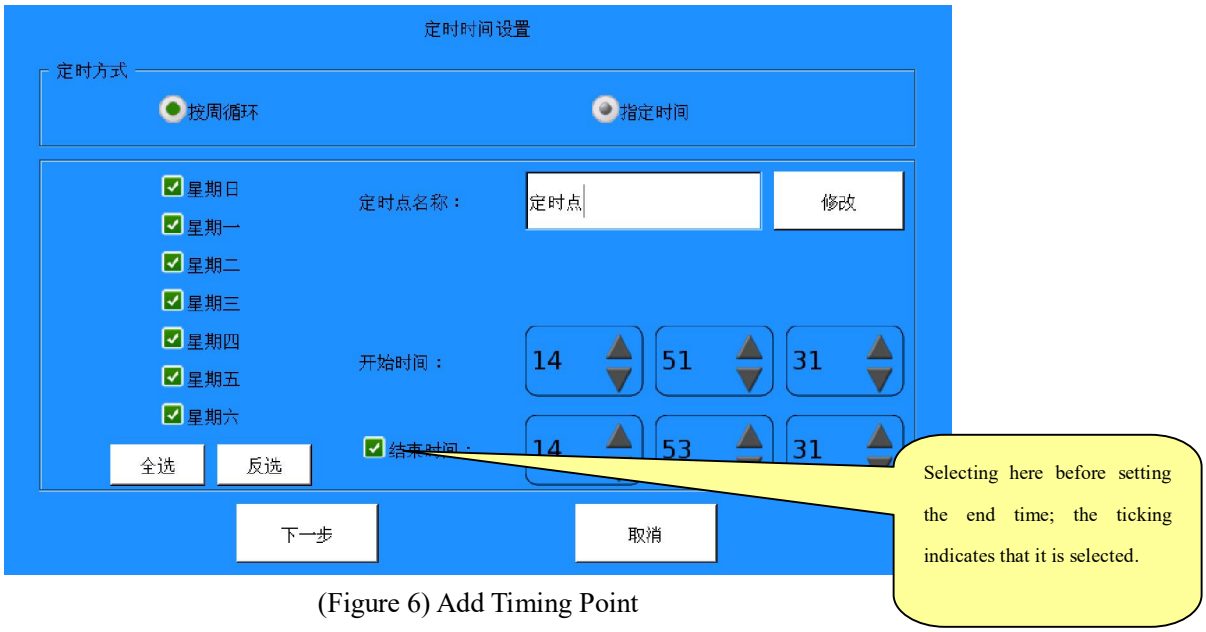
Editing the functions of the timing point are shown as follows:

1) Add timing point : (For periodic cycle)

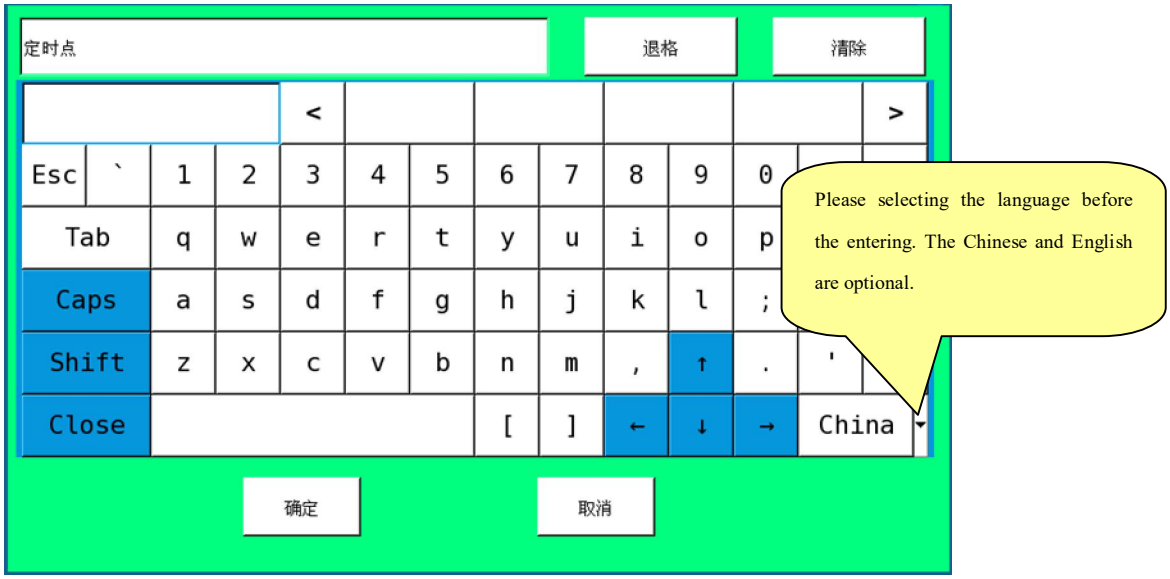
On the main interface of "setting of timing", click the button "add" to enter the interface as shown in figure (6) below. The timing modes shall include the timing in periodic cycle and timing at designated date.

① Firstly, select the periodic cycle and selecting weekly. By this operation, it is allowed to select the date on which the timing point shall be executed. For example: If all the timing points from Sunday to Saturday, click the button "select all"; if the"√" in the box turns to green, it indicates that such date is selected.

② Name of timing point: When naming the timing point to be edited, click the button "modify" on the interface to pop up the interface of the edition keyboard as shown in the figure (7), and then enter the name of the timing point (Maximum length of such name is 30 characters), click the button "OK" to complete the edition and push out the keyboard simultaneously.



(Figure 6) Add Timing Point



(Figure 7) Timing Point Edition Keyboard

③ Time of timing: Edit the starting time of the timing point. The time of timing in this system specified to second. If not required, it is allowed not to set the time second.

④ End time: The method for setting of the end time is the same as that for the starting time, but the end time is selective in this system. That is to say that it is allowed to set or not to set the end time as required, which shall be determined according to the need for the timing point.

⑤ After setting the time of timing properly, click the button “next” to enter the interface as shown in the figure (8) below. The left shows the output power switch status, in the power supply 1 power supply 4 its corresponding lower triangle symbol, the drop-down menu selecting the timing point in the power state.On the right side, the partition control options are displayed. There are the on and off states for the partition control. Click the button “select all” or select a single partition separately (The button displayed in green

indicates that this partition is selected), and then select the control state as required (Click to select).

(Figure 8) Setting of Timing Partition

⑥ Select program: After selecting the timing partition properly, select the button “next”,which is adding the sound source to the timing point, and enter the program setting interface as shown in the figure (9) below. The timing point may carry out the play control on the built-in MP3 at the same time; when setting the program of the built-in MP3, firstly,click the button “add” to enter the built-in player interface as shown in figure (10), and select the directory (For example, selecting the directory of “classical oldies”, and then click the button “directory at next level” to open the directory and select the tracks therein (Figure 11). After selecting the tracks, click the button “add”, and the names of the selected songs will appear in the list of “selected songs” in the right column. It is also allowed to delete the undesirable songs in the list of “selected songs”. The deletion method: Selecting the undesired songs, and then click the button “delete” on the right side.

In case of the operation of playing, there are three optional play modes, which shall be selected according to the individual needs:

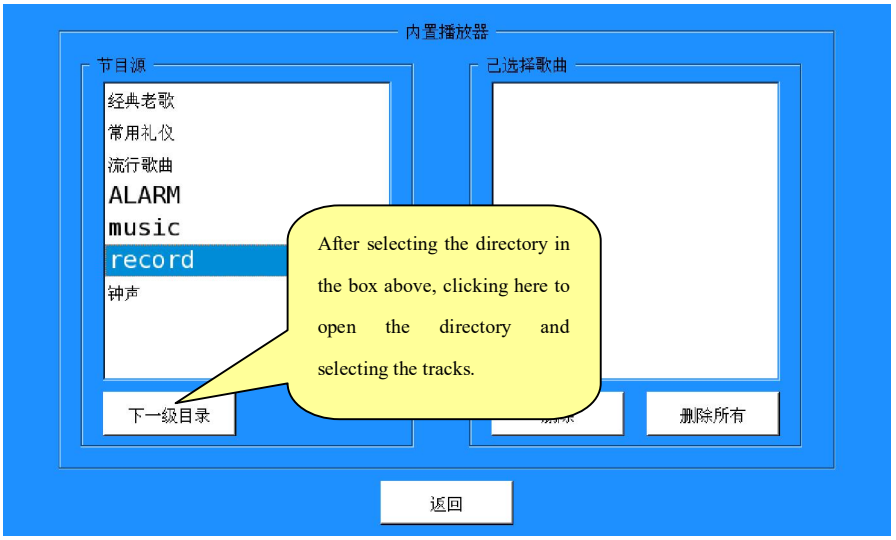
(1) Order play: The songs will be played in the sequential order. When the playing of the last song is over,and the timing of the set time has not yet arrived,the playing will be stopped automatically.

(2) Loop play: When playing, the system will play from the first song to the last song on loop, until the end of the timing point.

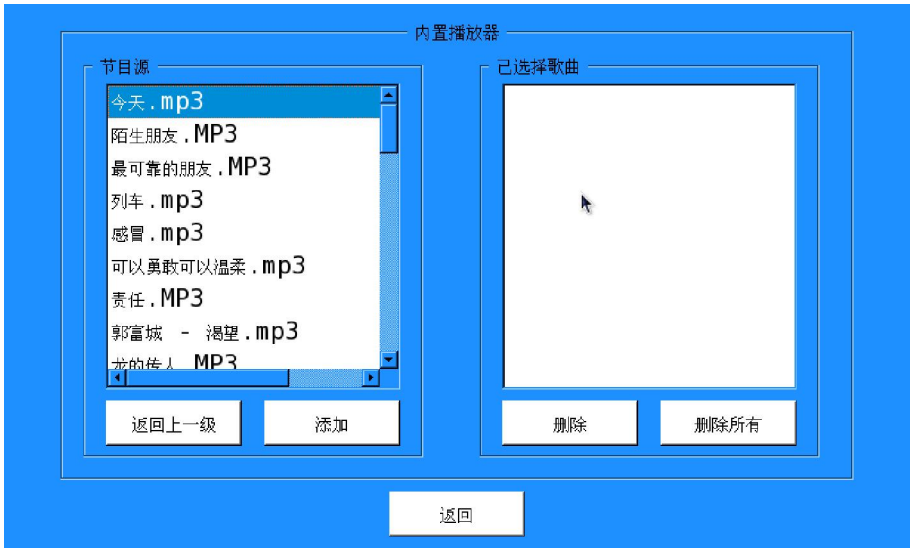
(3) Random play: The tracks in the player will be played at random.

After setting all the items properly, return to the interface as shown in the figure (9) below, and click the ”finish” button to finish the addition of the timing point. The timing point that added will be displayed in the list box of “edit content of timing point” on the main interface of the “setting of timing”.

(Figure 9) Setting of Sound Source of Timing Point



(Figure 10) Setting of Sound Source of Timing Point



(Figure 11) Setting of Sound Source of Timing Point

2) Add timing operation: (by specified time)

On the main interface of "setting of timing", click the button "add" to enter the interface as shown in the figure (13) below. Select the type of "designated time" to edit the timing mode, modify the name of the timing point, set the designated date, starting time and end time properly. The other operations are the same as those of the "periodic cycle", which will not be further elaborated here.

(Figure 13) Setting of Timing Time of Timing Point

3) Copy

On the main interface of the setting of timing, click a timing point in the list of "edit content of timing point", and then click the button "reproduce" to pop up the interface of "setting of timing time" of such timing point; the subsequent operations are the same as those introduced above.

4) Modify time

When the time is not satisfied with a certain time point, select such timing point in the list of the timing points, and then click the button "modify time" to enable the modification.

5) Modify partition

On the main interface of the setting of timing, click a timing point in the list of "edit content of timing point", and then click the button "modify partition" to pop up the interface of "setting of timing partition" of such timing point. The subsequent operation mode is the same as that introduced above.

6) Modify program

On the main interface of the setting of timing, click a timing point in the list of "edit content of timing point", and then click the button "modify program" to pup up the interface of "setting of timing sound source" as shown in the figure (9) above. The subsequent operation mode is the same as that introduced above.

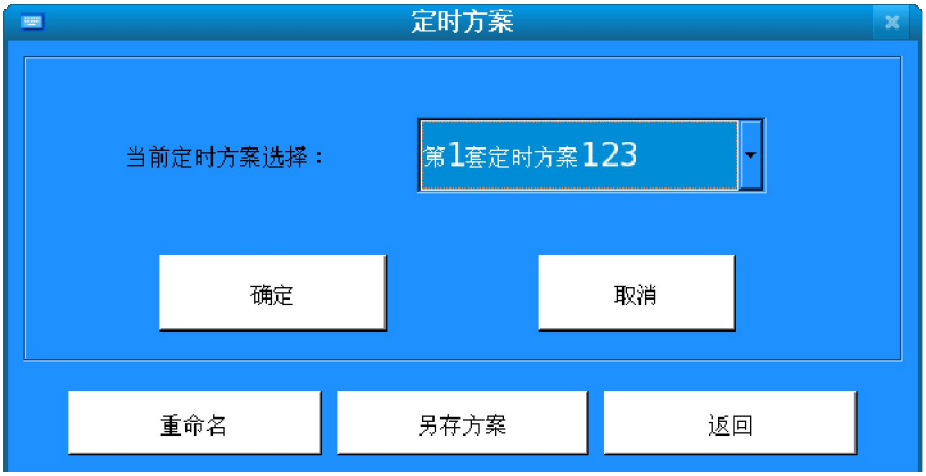
7) Delete

Deletion of timing point: To delete the timing point, there are two buttons for single deletion and all deletion

respectively. The button “delete” is used to delete the timing points selected in the list of timing points, and the button “delete all” is used to delete all the timing points.

(2) Timing program

Click the “timing program” on the interface of operation options to enter the interface of timing program as shown in figure (14) below. This equipment is able to edit 5 sets of timing programs (Timing in periodic cycle and timing at designated date); Prior to the timing programming, it is recommended to select the timing program here so as to facilitate the using in the future. After selecting and confirming the timing program here, the timing point edited in the timing programming will be saved in such set of timing program automatically. On this interface, it is allowed to rename and save the current 5 sets of programs as shown in figure (14), figure (15), and figure (16) below.



(Figure 14) Timing Program

Click the button “save program” and enter the interface as shown below:

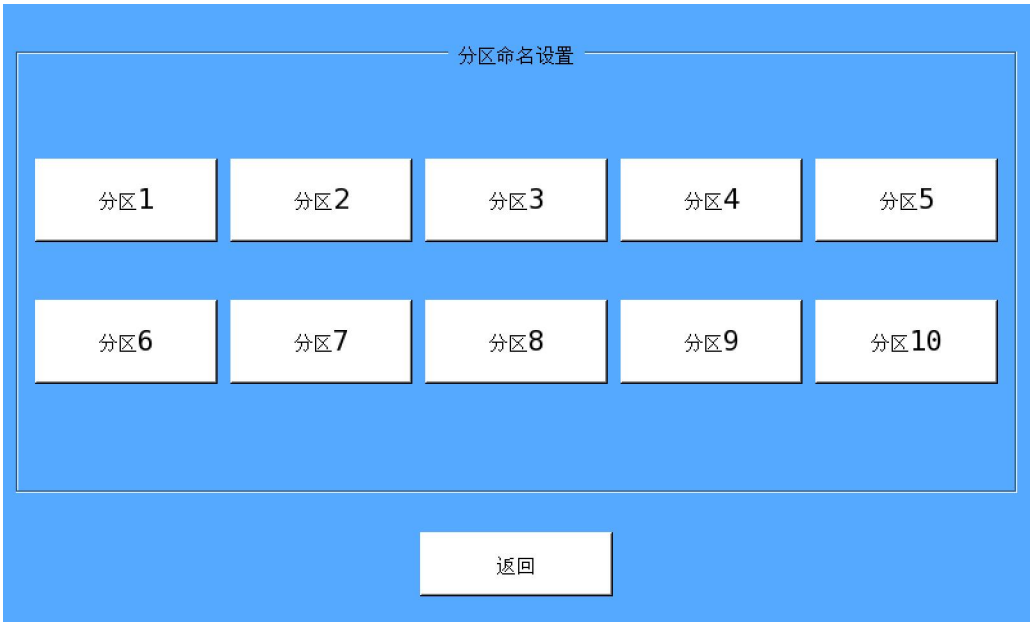
(Figure 15) Saving Program

Click the button “rename” and entering the interface below. For example, when renaming the first set of the program, click the button “modify” behind such program to enter the interface of edition keyboard, enter the name of the program (Maximum length of such name is 30 characters), and click the button “OK” to complete the renaming of the program, and exit the keyboard. The operations of the other programs are just the same.

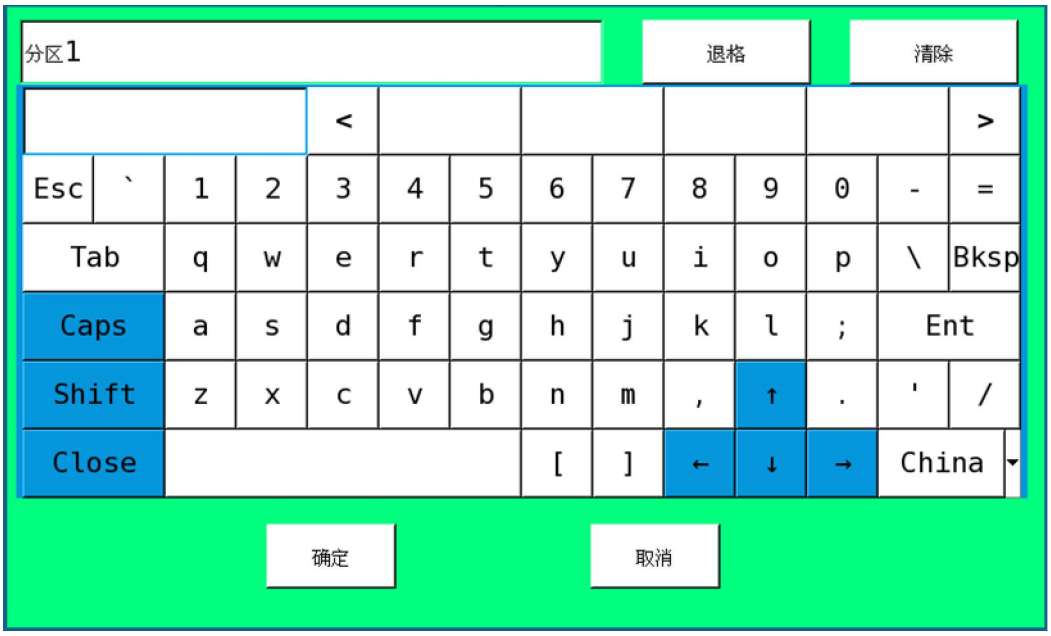
(Figure 16) Renaming of Program

(3) Partition naming

Click the button “partition naming” on the interface of operation options to enter the setting of the partition naming as shown in the figure (17) below. On this interface, it is allowed to edit a name for each partition so as to facilitate the partition edition and management under this function. When setting the operation, click a partition to pop up the name edition entry keyboard as shown in the figure (18) below. Enter the name of such partition (Maximum length of such partition name is 8 character) on the keyboard, and click the button “OK” to exit the keyboard and complete the operation of the naming of the partition.



(Figure 17) Naming of Partition



(Figure 18) Edition Entry Keyboard

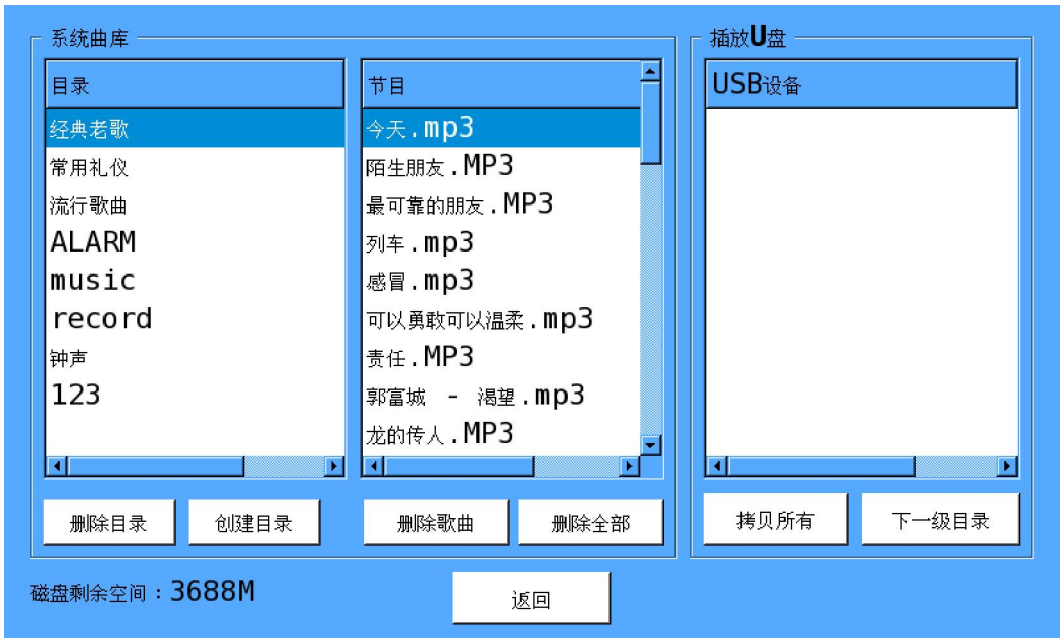
(4) Track operation

Click the button “track operation” on the interface of operation options and enter the interface of track operation as shown in the figure (19) below.

The “track operation” in the system setting is used to edit the system song book in the built-in MP3 player, including the viewing, copying and deletion of songs, and deletion of all songs and other operations as shown in the figure (19) below. Select a directory in the directory box on the left side, and all the songs under such directory will be displayed in the program box in the middle. Select the program in such box, and it is allowed to delete

with the deletion button at the bottom of the interface.

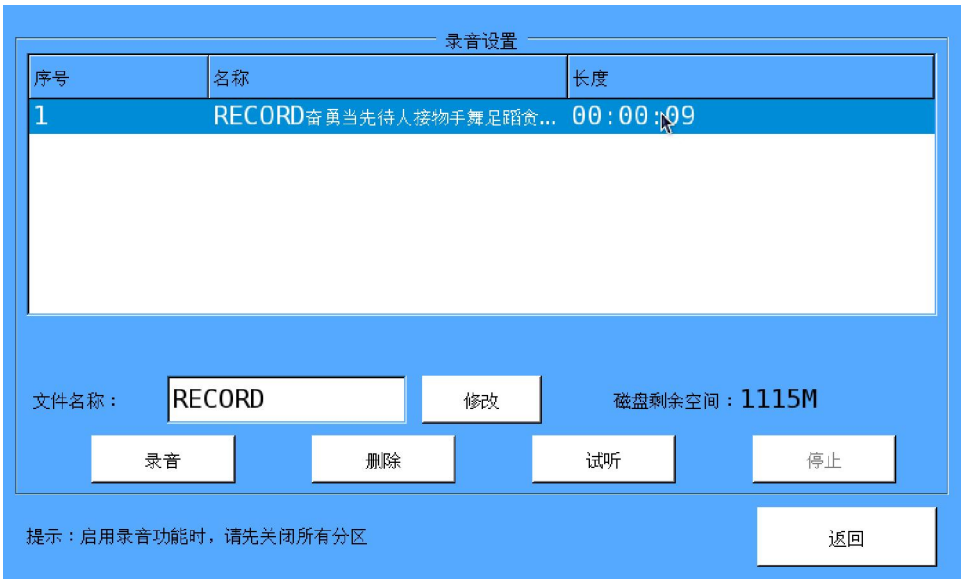
In the box on the right side of the interface, the program inserted into the USB on the front panel will be displayed. If the name of the song is directly displayed in such box, it is allowed to select the song and click the button “single copy” beneath the box to copy the song into the equipment; If the directory is displayed in the box beneath “USB equipment”, select a directory and click the button “directory at next level” beneath the box to enter the list of songs under such directory, and then copy the program.



(Figure 19)

(5) Recording the background sound source

Click the button “recording background sound source” on the interface of operation options and then enter the interface of setting as shown in the figure (20) below, click the button “recording” to pop up the prompt “ready to record, please wait” on the interface, and then the prompt “in recording” is displayed. Upon the completion of the recording, click the button “stop” to complete the recording. In the box on the interface of recording setting, the file so recorded will be displayed. When recording the second file, make recording before modifying the name of the file. Select the file in the box, and click the button “delete” to complete the deletion. Similarly, select the file in the box, and click the button “audition” to play. Prior to the operation, please pay attention to the prompt given at the lower left side of the interface. The audition is allowed after recording the background sound source. Upon the audition, the sound source that’s recorded can just be output from “MONITOR” on the rear panel instead of the “LINEA OUT” on the rear panel.



(Figure 20) Setting of Recording Background Sound Source

(6) Recording the emergency sound source

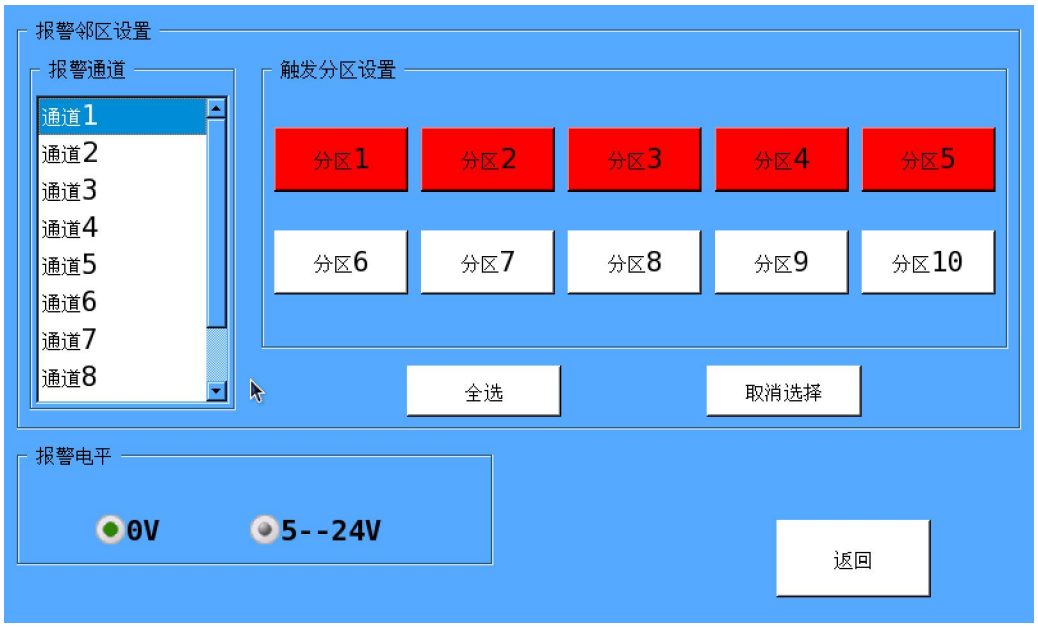
The sound source recorded here is configured for use as the emergency sound source. The recording is made with the MIC or LINE interface on the panel. Before recording the sound source, please insert the sound source input line into the line mode recording interface or MIC mode recording interface on the front panel, click the button “start recording”, and the recording state will be displayed on the screen interface. After the recording, directly click the button “stop recording”. The emergency sound source in the length of 10 minutes can be recorded. After recording the emergency sound source, the audition is allowed. Upon the audition, the sound source so recorded can only be output from “MONITOR” on the rear panel instead of the “LINEA OUT” on the rear panel.

(Figure 21)

(7) Setting the alarm

On the interface of the operation options, click the button “alarm setting” to enter the interface of alarm

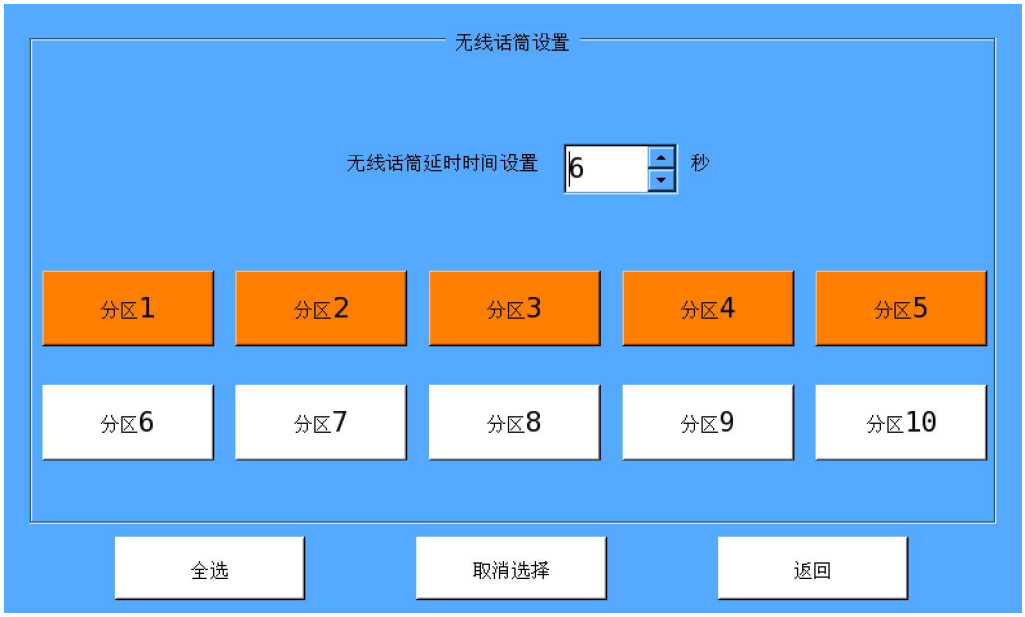
setting as shown in the figure (22) below. On this interface, set the alarm partition neighborhood linkage and alarm triggering level of this system. When setting the operation, firstly, set the “alarm level” properly at the bottom, and select a alarm channel (For example, select “channel 1”0 in the box “alarm channel” on the left side, and then click the partition, for which the alarm will be triggered with channel 1, in the “setting of triggered partition” on the right side. The partition button displayed in red indicates that it is selected. It is allowed to select a single or all the partitions, or to deselect such partition.



(Figure 22)

(8) Wireless microphone

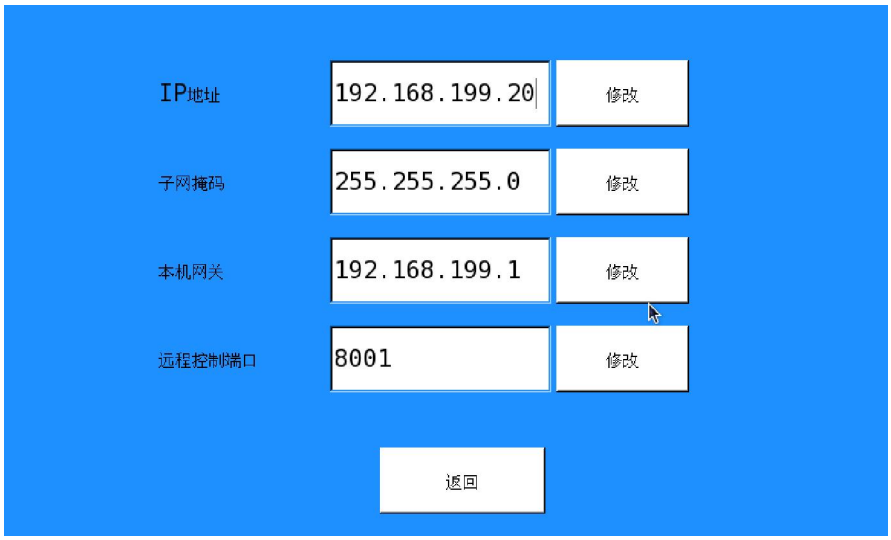
Click the button “wireless microphone” on the interface of the “operation options” to enter the setting interface of the wireless microphone delay time. Upon the paging of the wireless microphone, it is allowed to set the triggering of 1 – 10 partitions and to set the delay time. Adjustable delay time period range is from 0 to 200 seconds. Note: If the audio is input from the wireless microphone interface and the delay time that setting is more than the discontinuous time of the input audio, the partition setting will shut down.



(Figure 23)

(9) IP address

Click the button “IP address” on the interface of “operation options” to enter the setting interface of IP address as shown in the figure 24 below. In such setting, it is allowed to modify IP address, sub-net mask, local gateway, and remote control port. When setting the operation, (for example, to modify IP address) click the button “modify” behind it to enter the interface of keyboard edition; Enter the IP address to be modified, and then click the button “OK” to complete the modification of IP address and exit the interface of the edition keyboard.



(Figure 24)

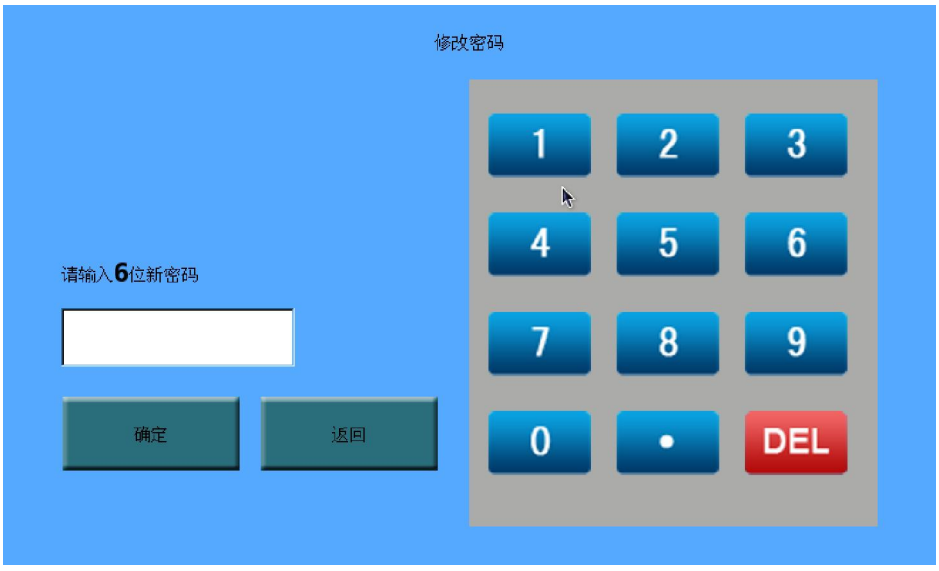
(10) Comprehensive setting

In the operation screen, click the "Comprehensive Settings" button to enter the integrated settings interface. As shown below (Figure 25), in the touch screen settings can be calibrated, click on the "Re-calibration screen" and it will restart the system into the touch screen calibration;When setting Comprehensive , there are Chinese and

English language selection (After the election to be restarted to take effect);Set the screen protection time. When the equipment does not conduct any operation for a period of time, the display screen will display nothing or turns to black for the purpose of protection. The screen will not restore the display until the touch tablet of the screen is touched (If the password for system start-up is set, the system password shall be entered here). The screen protection time may be set within a period of time from 1 to 30 minutes. It is also allowed not to tick the screen protection setting, so that the screen of the equipment will remain the on state within the period from the start-up to the shutdown; Enable the system password: Select at will whether the system password shall be enabled according to the self needs (If the system password enabling is ticked, the equipment will not be started unless the password is entered). When it is required to modify the system password, select the button “modify system password” to enter the interface as shown in the figure 26 below.

(Figure 25)

Modify the system password interface:



(Figure 26)

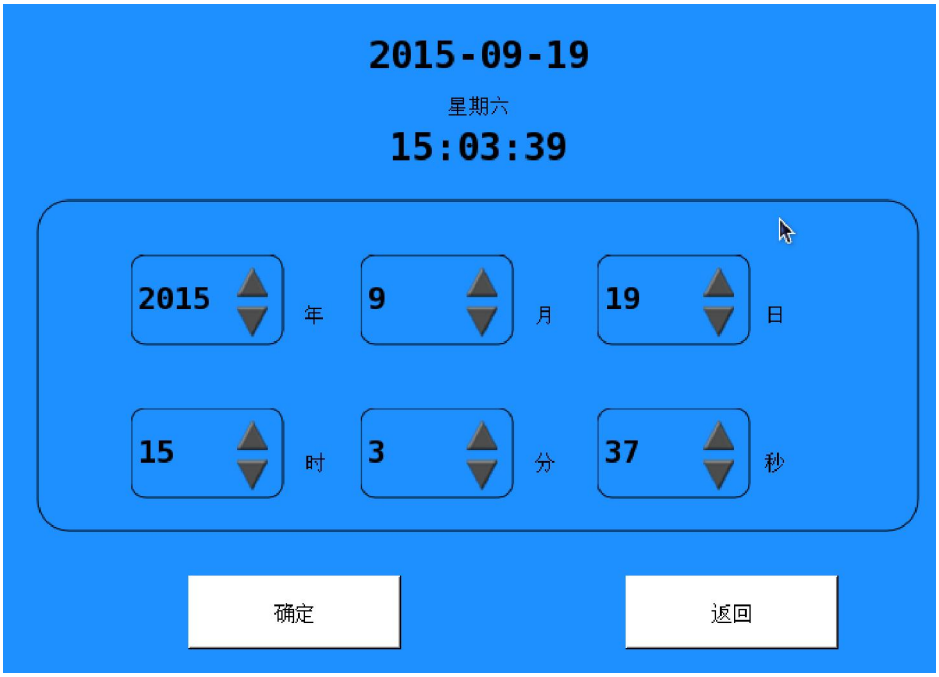
(11) Configuration operation

On the interface as shown in the figure below, in this setting, there is the upgrade to import the configuration file into USB or to import the configuration file into the system and software. Prior to such operation.Firstly,insert the USB (Note: If the USB is not inserted, the interface will give the prompt of “USB not found, please check”); If the file is imported successfully, the prompt of “import configuration file into USB successfully” will be popped up;Click the button “import configuration file into system” on the interface to pop up the prompt box “whether need to import configuration file of USB into system”, and click the button “OK”.

(Figure 27)

（12） Setting of time

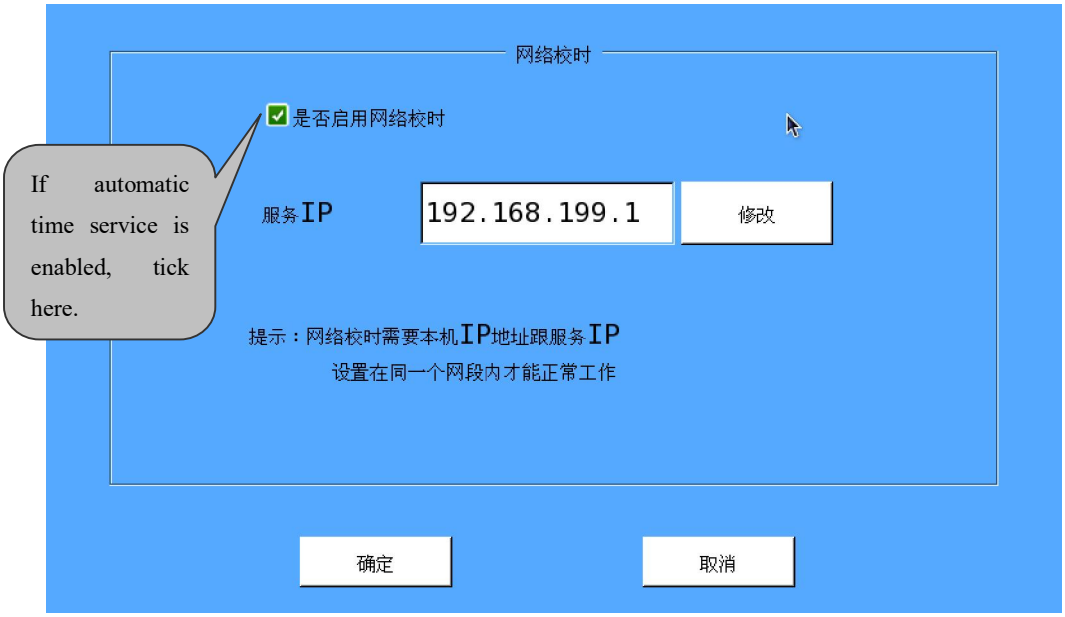
When setting the system time, please align with the current clock, which is related to the punctual execution of the timing point. The timing point is accurate to second; Therefore, when setting the system time, please pay attention to the setting of the second clock. When the system time is set properly, please click the button “OK” to complete the setting, and click the button “return” to exit the setting of the system time.



(Figure 28)

（13） Network time service

Click the button “network time service” on the interface of “operation options” to enter the interface as shown in the figure 28 below. Tick the button “whether network time service is enabled”, and set the IP address of this equipment and service IP address in the same network segment.



(Figure 29)

5. Description of Other Functions.

5.1 Priority ranking

The order of the priority in this system from senior to junior shall be local microphone – emergency audio recording – alarm whistle – remote pager 1 – remote pager 2 – wireless microphone. The signal at the higher priority shall cover the signal at the lower priority, resulting in the preferential output. At the end of the broadcasting of the signal at the higher priority, the signal at the lower priority will be restored automatically.

5.2 Priority and operation relation of emergency business sound source

1. Priority of emergency triggering: In the 10 channels on the rear panel(ALARM INPUT), the triggering of any channel is prior to the triggering of the fire alarm switch on the panel;
2. The sound source triggered by 10 channels on the rear panel(ALARM INPUT) is the emergency audio recording. Upon the delivery, the emergency audio recording will make record of the alarm whistle for 30 seconds, and the sound source triggered by the fire alarm switch on the panel is the alarm whistle;
3. In the 10 channels of the alarm paths (ALARM INPUT on the rear panel), it is allowed to set the triggering of 1 to 10 partitions in each path with the triggering level of 0V or 5-24V. The fire alarm switch on the panel may trigger all the partitions; it is possible to trigger all the partitions simultaneously; if triggering simultaneously, the alarm sound source is the emergency audio recording;
4. The “EMC MIC” on the panel may be the emergency microphone or the business paging microphone. If any of the 10 channels on the rear panel(ALARM INPUT) or the fire alarm switch on the panel is triggered and the triggering is conducted before pressing down the microphone.If the microphone is taken up at this moment, the microphone is used as the business paging microphone. Release the microphone back to the emergency recording or siren state; When in the "local page" interface, touch a road partition or multiple partitions (the number of partitions 1-10).At this time, pick up the microphone, the microphone for the business paging microphone, in this interface click on the "stop paging" or "return" button to exit the business paging.If the fire alarm or the all alarm is given suddenly. At this time back to the main interface, turn off the business paging partition, open the emergency paging partition, "B" channel switch to the "emergency recording" or siren channel.When the emergency microphone is released, if the button is pressed again, the microphone is an emergency function and the "B" channel switches to the microphone channel. In the emergency state, pressing the "local page" button in the main interface is invalid.
5. Pager microphone 1 is prior to pager microphone 2. when the pager microphone 1 is paging (“Paging” means that the sound source of channel “B” is switched to the pager microphone 1 and all the partitions are turned on simultaneously), pager microphone 2 is unable to page; When the pager microphone 2 is paging, if the pager microphone 1 is also paging (Only if paging one ore more partitions), pager microphone 2 is unable to

page (The partition indicator lamp turned on with the pager microphone 2 previously will be off), all the partitions paged by the pager microphone 2 will be shut down, and the sound source of channel “B” is switched to pager microphone 1; If pager microphone 2 should conduct the paging, it is allowed to re-conduct the paging until the pager microphone 1 stops the paging;

6. When operating the multiple emergency business sound sources, the operations of different sound sources will be displayed on the main interface;However, triggering ports of the partition, power supply and short circuit shall be operated according to the settings of the sound source at the highest priority. After the sound source at the highest priority is canceled, the triggering ports of the partition, power supply and short circuit shall be operated according to the settings of the sound source at the secondary priority, and so on;

Appendix

Application Instructions to File Format of USB:

1. Due to the rapid development of the USB and various types of memory in the market, and the relatively complex and disordered conditions of USB in the market, it is impossible for this product to be compatible with the USB in any brand, type and specification in the market. **In order to guarantee the normal reading of the data in the USB, it is recommended to use the USB with the capacity of 1G to 16G on this equipment (e.g. 1G~16G Kingston) and use the certified USB from the regular brand (e.g. Lenove/Teclast/SnDisk/Kingston).** This system only supports MP3 file format with the maximum bit rate of 320KBPS. It is impossible to play the audio file in any other format. If it is unable to play some songs, check whether such songs conform to the above requirements.

2. In order to increase the operation speed and optimize the management, it is recommended to retain only MP3 songs in your USB. It would not be better to save other files in order to increase the access speed and facilitate the edition of the timing point.

3. Please do not save the songs directly under the root directory of the USB. When copying the programs into USB, please create a new folder under the root directory, and then copy the songs into such new folder. Note: Do not create a new second-level sub-directory under such new first-level directory created under the toot directory; Otherwise, it is impossible to read the songs under such sub-directories.

Operations for Remote Control

1. Operations for use of remote control

After the installation of the remote software under the control of the computer, the shortcut icon will be generated on the desktop of the computer. Double click such shortcut icon to log in. After the successful log in, directly enter the interface as shown in the figure below. When enabling the software for the first time, after the successful log in, it is required to set in the setting of IP in order to connect the host (The IP address shall be consistent with the IP address of the host), so that such software can function normally. In PC software, it is possible to set a number of functions such as host control, edition of timing point, setting of partition name, setting of IP address of host, setting of base color of background, and selection of Chinese and English respectively.

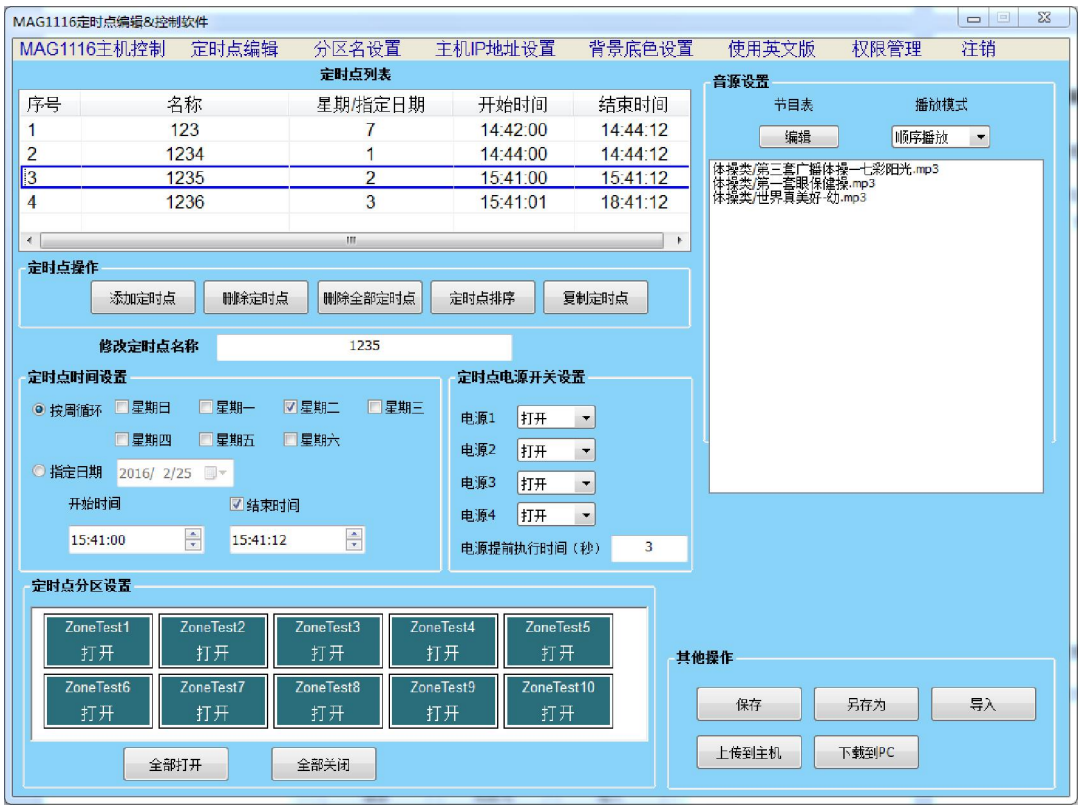
1. 1. Operations for M1116/M1116D host control

Click the "M1116 host control" on the main interface to enter the interface as shown in the figure below, so as to set the host, select MP3 to play the program, select the play mode, adjust the size of volume, operate the functions of the song such as previous, play, stop and next; it is possible to operate the partition and power supply of the host, monitor the setting of the sound source of the host, the setting of program control / manual switching, and the setting of the current timing point program.

(Program management) It is possible to copy the programs and songs in this equipment into the host, or to download the programs in the host into this equipment (When downloading, first select the songs to be downloaded, and then click the right-hand button of the mouse, and click the button "download file").

MAG1116定时点编辑&控制软件
MAG1116主机控制
定时点编辑
分区名设置
主机IP地址设置
背景底色设置
使用英文版
权限管理
注销
2016-2-25 星期四 14:38:16
正在连接...
目录
歌曲列表
定时点状态
ZONE1
ZONE2
ZONE3
ZONE4
ZONE5
ZONE6
ZONE7
ZONE8
ZONE9
ZONE10
手控
监听
播放模式
钟声/上课号.mp3
电源1
打开
电源2
打开
电源3
打开
电源4
打开
音量00
播放时间:
上一首
播放
停止
下一首
定时点方案
节目管理

1.2. Operations for timing point edition interface



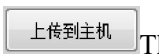
On the interface as shown in the figure above, it can be seen that all the timing points edited properly are displayed in the list. Click a timing point to display the edition state of the timing point, and set the functions of the timing point such as time, partition, sound source, and power switch. The operation method for such setting is the same as that on the host, which will not be repeated here.

(1) Other operations

This button is used to save all the timing points in the current list of timing point.

This button is used to back up all the timing points in the current list of timing point.

This button is used to import all the timing points in the host into the current list of timing point.



This button is used to upload all the timing points edited properly into the host.

This button is used to download all the timing points edited properly into this equipment.

1.3. Operations for setting of partition name

Click the button “setting of partition name” in the menu bar on the main interface and enter the interface as shown in the figure below. Select a partition, and enter the name of the partition in the box “modify partition name”, and then click the button “save” to complete the setting and exit the setting of the partition name.

1.4. Setting of IP address of host

Enter the IP address that matches the host, as shown in the following figure.

1.4.5 Setting of base color of background: It is used to set the color of the background to the user's preference.

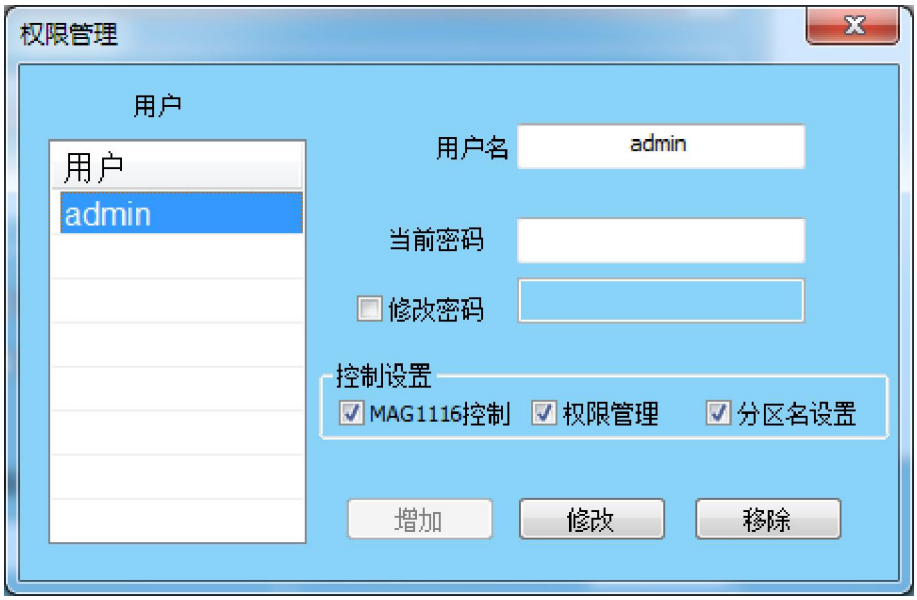
1.4.6 Use of English version: It is used to switch between Chinese and English.

1.4.7 Log out: When exiting the system software, directly click the button "log out" to exit.

1.4.8 Authority management

Click the button "authority management" in the menu bar on the main interface and enter the interface as shown in the figure below, and carry out the operations such as addition of user, setting and modification of password, and removal of user according to the user's own needs.

If it is required to add the user, click on the left of the user list bar in the left mouse button, and then enter the user name and current password (or leaving a blank for password), select the setting of control, and click the button "add" to complete the addition of user.



Precautions for use

1. Safe use precautions

- Do not insert the power plug of this device into the grid before connecting the system cable.
- Make sure that the voltage input to the device is exactly the same as this device. Otherwise, there is danger of burning the equipment.
- There is a dangerous voltage inside the equipment, the voltage can cause electric shock, do not open the case, in order to avoid the risk of electric shock.
- When the power supply of this equipment is turned off, the equipment is not completely disconnected to the power supply. For safety reasons, please unplug the power plug from the outlet when the equipment is not using.
- Do not place the device in a sub-cooled or overheated place.
- Make sure that the working environment of the equipment is well ventilated,so as to avoid heating up during operation and cause the equipment to be damaged.
- Unplug the power plug in noisy weather or for longer periods of time.
- Remove or reassemble any parts of the device, disconnect or re-connect any electrical plugs or other connections to the equipment, be sure to unplug the power plug to ensure that the device is completely disconnected from the grid.
- When the equipment is faulty, the non-professionals without permission, please do not open the cabinet for maintenance, in order to avoid accidents or increase the extent of damage to the equipment.
- Do not place any corrosive chemicals near or above the equipment.

2. After-sales service note

- Since the date of purchase, in accordance with the provisions of this manual to install and use, but there are quality problems in the normal use, the company will provide three years of free warranty services.(including free replacement parts)
- About the warranty, the user must show the warranty card, user self-existence and sales invoice as a certificate.
- The following conditions do not belong to the scope of free warranty:

  1.Damage caused by improper installation, use or handling;

  2.Damage the product due to abnormal conditions (Such as excessive power supply voltage or ambient humidity, etc.)

  3.Due to natural disasters and other accidents caused by product damage;

  4.Product body number is converted, altered or removed;

  5.The product has been repaired or modified by an authorized person of other company;

- Please keep the manual and warranty card.
- For questions or precautions that are not mentioned in this manual, please contact your dealer or visit our website at http://www.lyintlcorp.com/ if necessary.
- If you are facing a malfunction during the warranty period, please contact our service personnel (or dealer) for repair and handling. The Company will not be responsible for the free warranty if the self-disassemble or damage caused by maintenance without our own technical staff.

Packing List

No.	List	Quantity
1	One M1116 or M1116D equipment	1 set
2	Operation instructions	1 copy
3	Warranty card	1 piece
4	Quality certificate	1 piece
5	Telescopic three-section handwriting pen / 2120, 2140	1 pen
6	10A national standard MP-P power line / 1 square meter / two-head	1 line
7	1.5m 2-2 lotus-form plug connection line SY542	1 line
8	2P green plug (For HM20R) / 2ERJK3.81 – 2P	2 pieces
9	Wrapping washer in black C	4 pieces
10	5×19 half countersunk head cross recessed screw in white	4 pieces
11	SY864 wire rod / 300MM / line in red and black / 16AWG/V3.1 (Only for M1116D)	1 line
12	Control software	1 piece
13	Compact disk	1 piece

Specification

No.	Item		Indicator requirement	Unit
1	Channel B output At 1V/1KHZ sine wave	Microphone input sensitivity	2--3.5	mV
		Wireless microphone input sensitivity	200--350	mV
		Remote paging input sensitivity (voltage at pin No.8 and No.9)	1000±100	mV
		Line recording input sensitivity	200--350	mV
		Microphone recording input sensitivity	2--3.5	mV
2	Channel A output At 1V/1KHZ sine wave	MP3 input sensitivity	200--350	mV
		Line recording input sensitivity	200--350	mV
		Microphone recording input sensitivity	2--3.5	mV
3	Maximum noise	Channel A/B (When channel B is switched to wireless microphone)	≤0.5	mV
		When channel B is switched to local microphone input	≤1	mV
		Monitoring	≤1.5	mV
4	Degree of distortion (Output of 1KHZ 1V)	Channel A/B (Input of line)	≤0.3	%
		Channel B (Input of local microphone)	≤0.5	%
5	Frequency response (±3dB)	Microphone input frequency response	50---20K	HZ
		PB9810R input frequency response	50---20K	HZ
		Wireless microphone input frequency response	100---20K	HZ
		MP3 output frequency response	200---20K	HZ
		Line recording input frequency response (output of channel A)	350---20K	HZ
		Line recording input frequency response (output of channel B)	100---10K	HZ
6	Monitoring	(220V power supply/1KHZ, ≤1% degree of distortion)	6-7.5	V
		(+24V power supply/1KHZ, ≤1% degree of distortion)	5-6	V
7	Protection	1.AC220V/ 1A; 2.DC+24V/2A (Only for M1116D)		
8	Dielectric strength test	Between poles of power supply and input/output terminal	4200	VDC
		Between poles of power supply and metal shell	2200	VDC
9	Net weight	8kg		
10	Gross weight	9.5kg		
11	Size (L × W × H)	483×350×88mm		

Attention

● When the power switch of this unit is in the "off" state, the equipment is not completely disconnected from the power supply. For the sake of safety, please unplug the power cord from the outlet when the device is not in use.

● The device can not withstand water droplets or water splashes and can not place items such as vases filled with water on the equipment.

● Do not open the equipment cover, to prevent electric shock. If necessary, by a professional certificate of professional staff to repair.

● Terminals marked with symbols ϟ in the device indicate hazardous, and the operation of connecting these terminals must be carried out by instructed personnel.

● The device is connected through the power cord and the power supply. When the equipment fails or is dangerous,Unplug the power cord to disconnect the device from the grid, so it is required to place the power outlet in a place where the power cord can be easily plugged.

LY International Electronics Co., Ltd.