www.BXB.tw



WSC-2100

Digital PA system

Edit & Operate Clients
User Manual

Version: 1.3

Date: November 26, 2015

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Overview

Thank you for purchasing products from BXB Electronics Co. BXB PA control software is the digital control software that synchronizes with WMP-2100 and expands its functions. The user-friendly graphical interface let users experience digital public address.

BXB PA control software supports single area broadcast, group broadcast, telephone broadcast, emergency call, security alarm and digital broadcast through the Internet on computers. It's the only PA system that combines hardware and software on market.

High reliability is our utmost purpose when developing BXB system. Each main control unit and its fittings have all gone through careful assembly and strict test in our ISO-9001 approved factory. The excellent performance, high reliability and reasonable price make it the indispensable translation system for you.

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Main Features

- Supports Unicode.
- Combines EDIT and OPERATE clients software
- Foolproof design
- Embedded platform key-in (No keyboard)
- Mutual channel and 4 channels outputs
- 3 default pages& 7 custom pages
- Set single area and group in custom pages
- Play mode: Single, Mix and Random
- MP3 format record supported
- Decoder ID modifiable
- Can be logged in through Internet/ Intranet
- Define NO / NC and voice settings
- Trigger event management

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System Requirement

In order to run BXB WSC-2100 software, following components are required:

- **Operating System:** Microsoft Windows® XP Professional Edition (Update to Service Pack 2 is essential).
- **Windows Vista is not supported.**
- PC with 1 GHz or higher processor clock speed recommended; Intel Pentium/Celeron family, or AMD family, or compatible processor recommended.
- 512 megabytes (MB) of RAM or higher recommended (1 GB minimum supported; may limit performance and some features)
- 1 gigabytes (GB) of available hard disk space*
- CD-ROM or DVD drive
- Keyboard and Microsoft Mouse or compatible pointing device
- Super VGA 800*600

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Install Software

1. Insert installation CD into CD/DVD Rom. Installation window will pop-up following screen to start installation.

A. Two applications are included installation CD: 【SERVER】AND 【EDIT】. Both of them are required to be installed to operate.

B. 【SERVER】: Graphical control software. Before using, you have to import file which is edited by EDIT, and make sure the connection by RS-232 between WMP-2100 and PC.

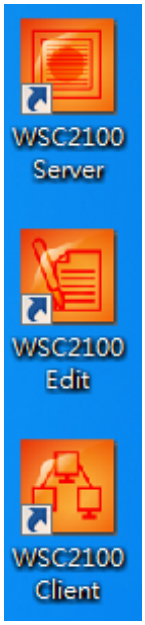
C. 【EDIT】: Edit Software. After installation, you can edit Zone Arrangement, Music Timer, and Record. Then, export edited file to Server. If the edited file is updated, you simply re-import in Server side.



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Start Editing

After installation, shortcuts of each client appear on the Windows desktop. Double click the icon as appeared in right-hand side to start editing.



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Edit Client Features



1. Language: English, Chinese (Traditional& Simplified) and Korean are supported.
2. Zone Arrangement: Includes zone setting, group setting and their info.
3. Music timer: Pre-editing timer schedule such as play weekly, on specific date with specific playing mode and zone.
4. Record: You can record through PC microphone and save as MP3 format file. WAV file can also be converted to MP3 there.
5. Data Import: Import profile (*.wex) to continue editing.
6. Data Uploading: Upload edited profile (*.wex) to server.
7. Data Export: Export profile (*.wex) which can be used by server.
8. Exit: Exit the software.

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Select Language

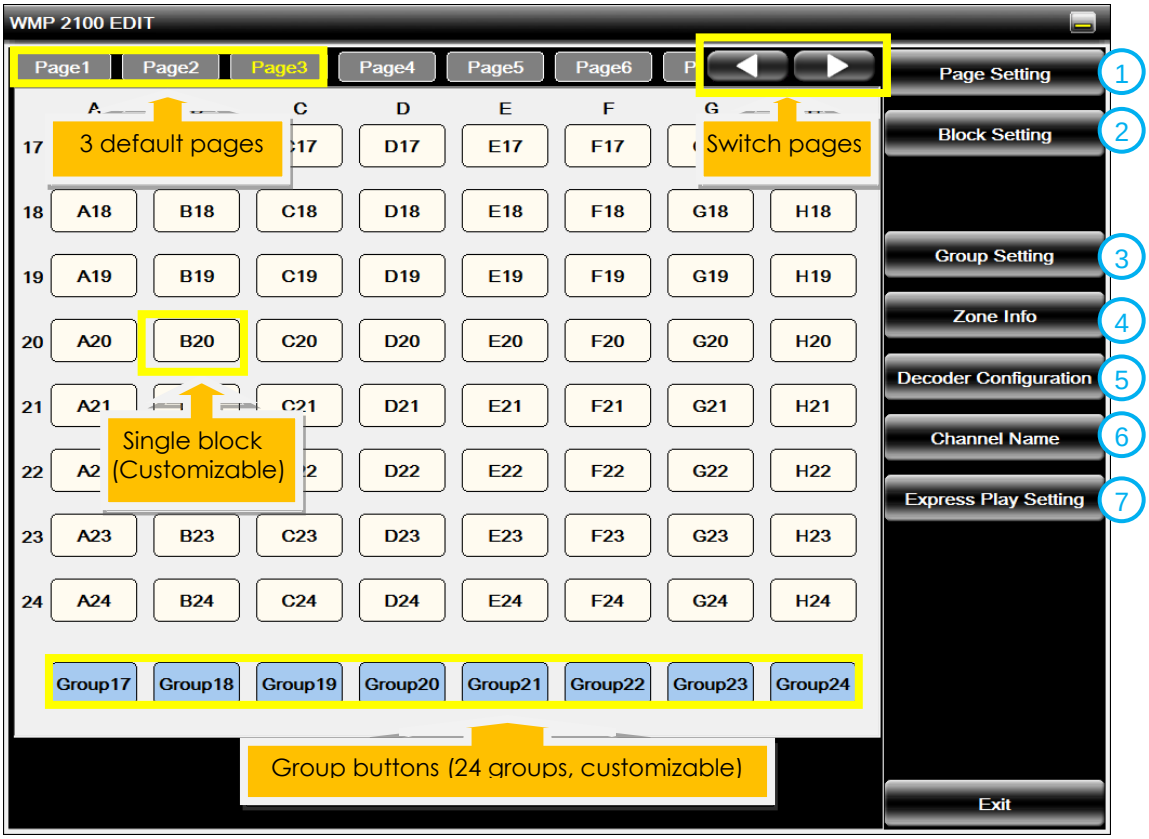
Select the language you prefer; English, Traditional Chinese, Simplified Chinese and Korean are supported.



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1. Zone Arrangement

Video



1. Page setting: Add/ delete page, edit page title, arrange page order, default page display and background setting.

2. Block setting: Add decoder/ group block, set block pattern, position and size.

Video

3. Group setting: Edit group name

4. Zone Info: Edit zone name, N.O./ N.C. trigger signal; define, activate audio, play zone, duration, multi channel and functional buttons.

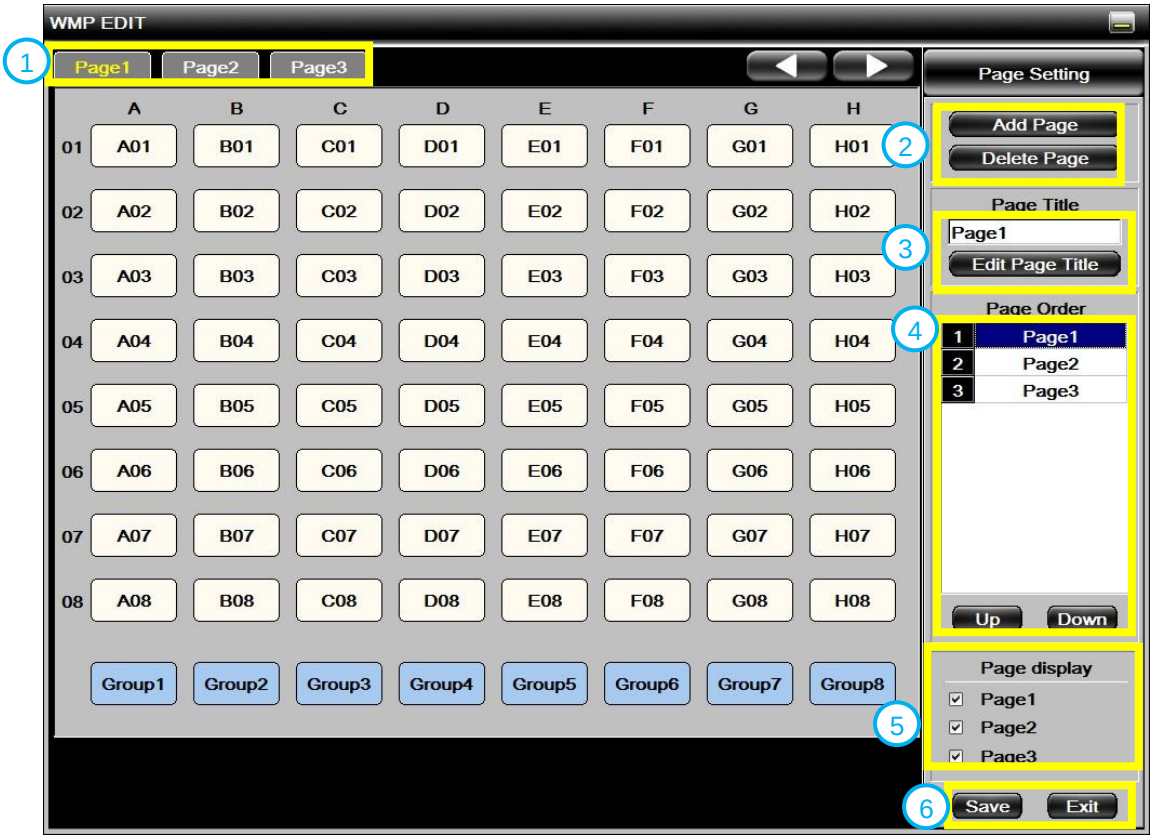
5. Decoder Configuration: Change decoder ID code on software instead of actual DIP switch.

6. Channel Name: Edit channel name.

7. Express Play Setting: Go with a 4-button interface, 4 music files can be selected.

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1.1 Zone Arrangement/Page Setting Video



1. Default pages: Page1, Page2 & Page3 (Undeletable).
2. Add/Delete Page: Add/delete page; up to10 pages.

   There are 192 zones & 24 groups in total.

3. Page title: Edit page title.
4. Page order: Move up/down to sequence page order.
5. Page display: Show/hide default pages (Page1, Page 2, &Page3).
6. Save/Exit: Save current setting/exit.

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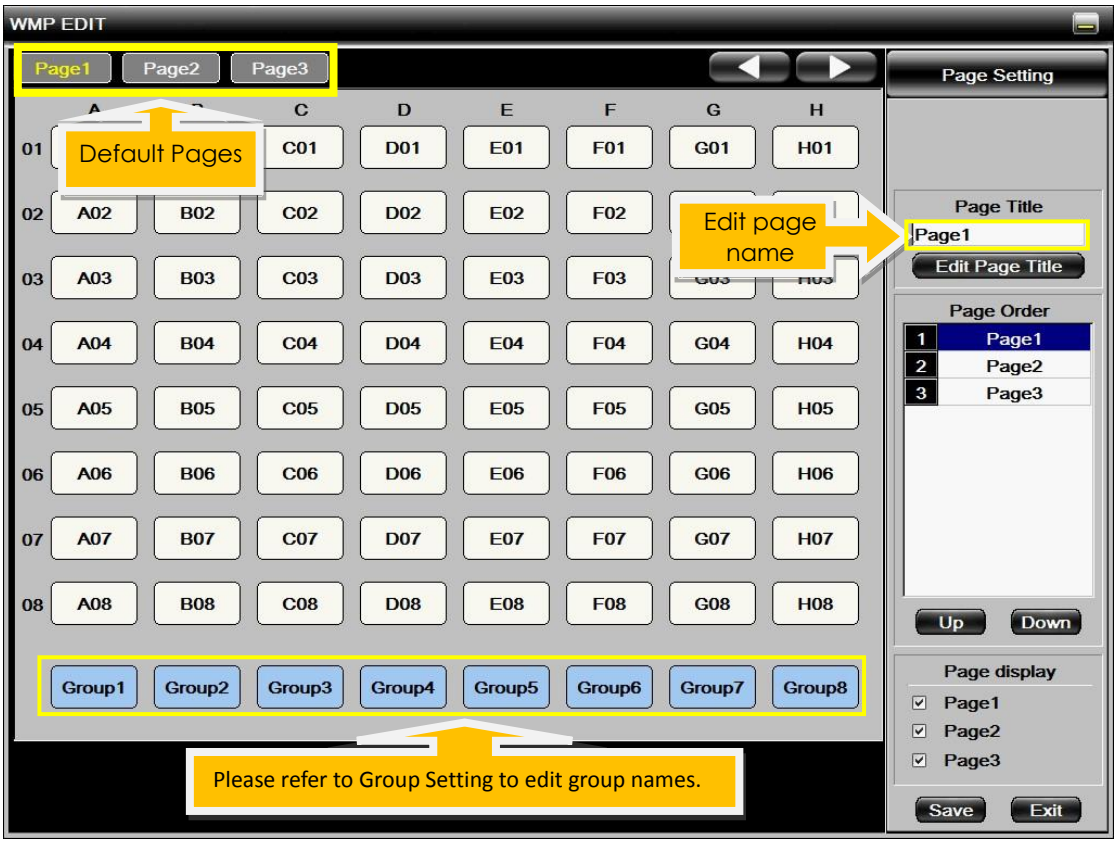
1.1.1 Zone Arrangement/Page Setting/ Edit default page

Title of each page can be customized in accordance with your needs. This feature makes user manage and identify each zone or group more efficient than usual.

Instruction：

1. Select pages
2. Please enter name in the time of page title. For example, administration building, Library, Gym, and Cafeteria…etc

Recommended characters：7 to10 characters

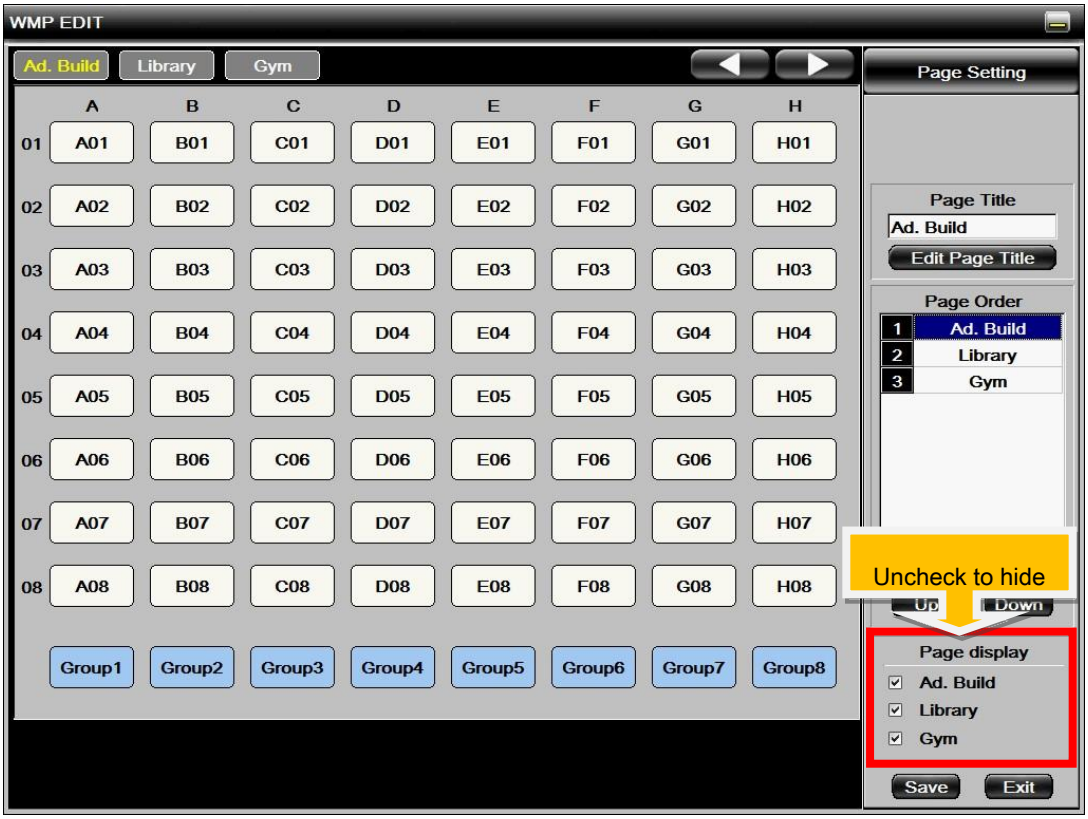


Please refer to P32 to edit block names.

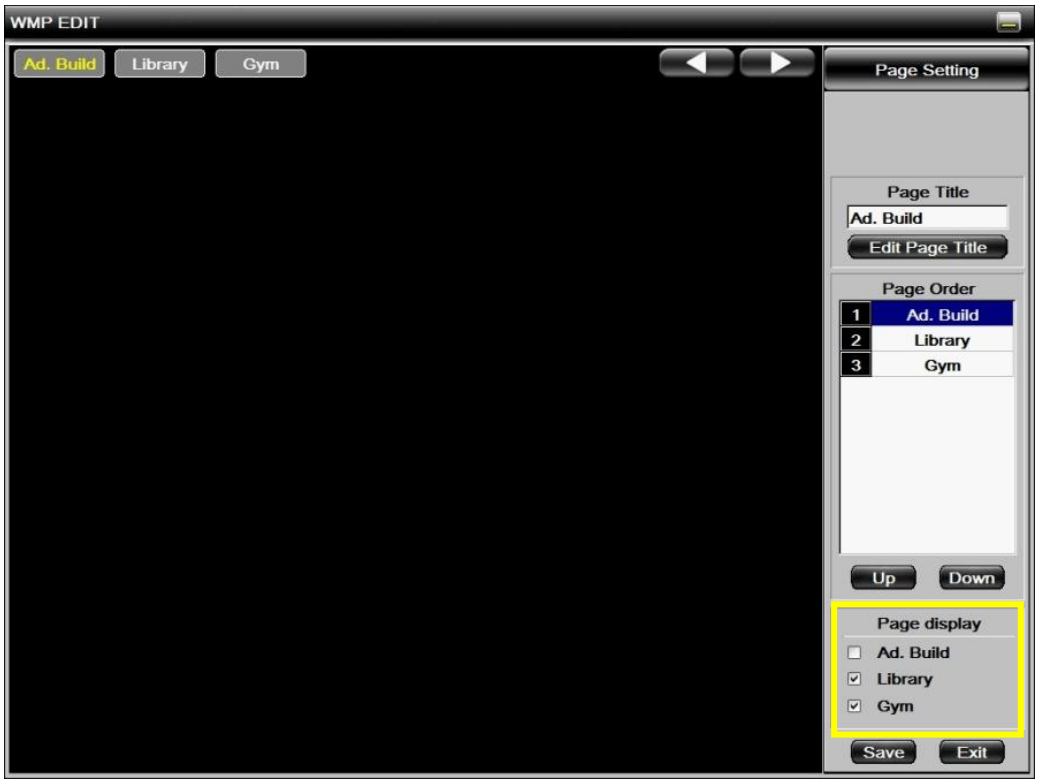
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1.1.2 Page Setting/ Default Page Display

In this section, you can decide to show or hide default pages (Page1, 2& 3).

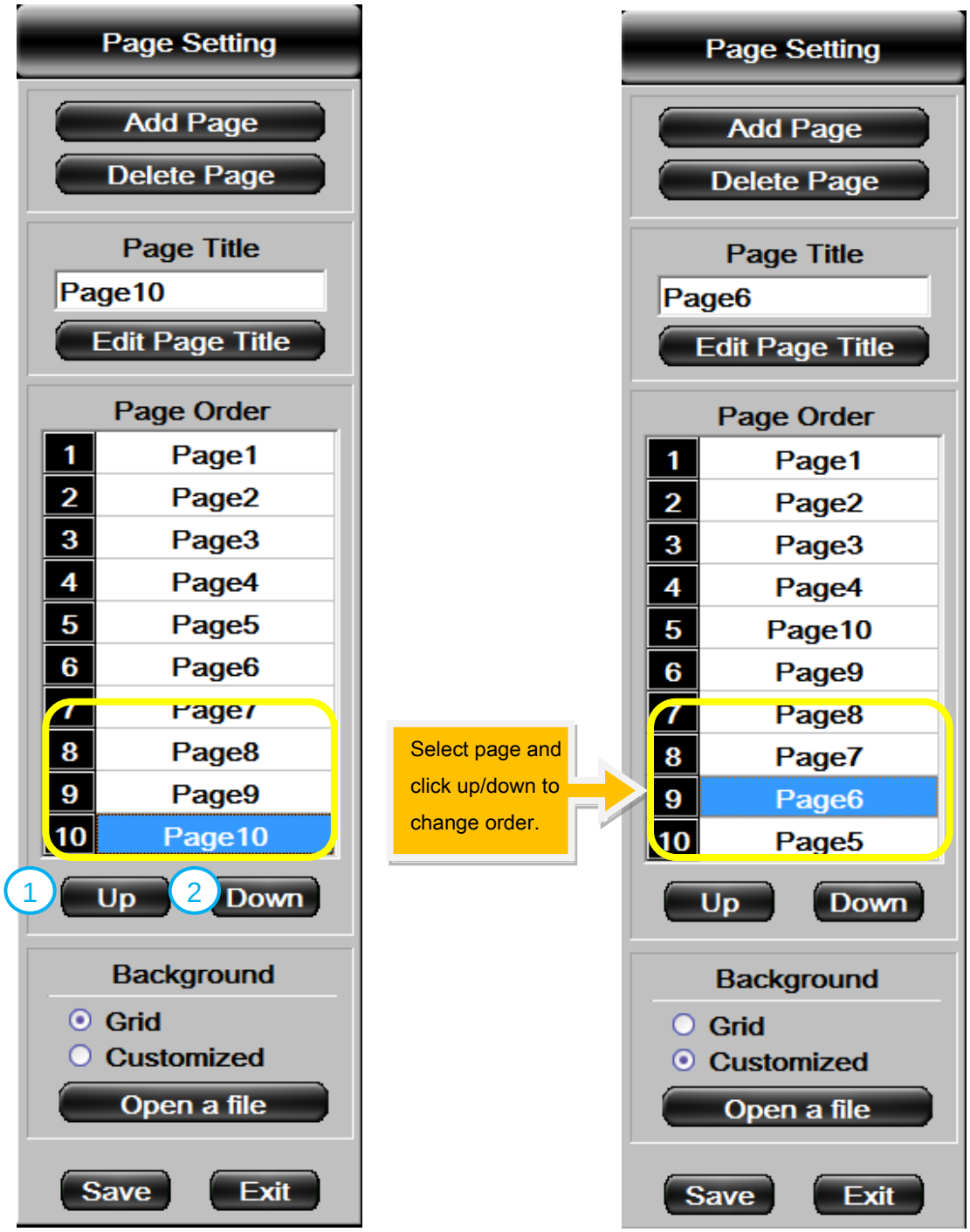


As following screenshot, Ad Building (Page 1) is hiding in black.



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1.1.3 Page Setting/ Page Order



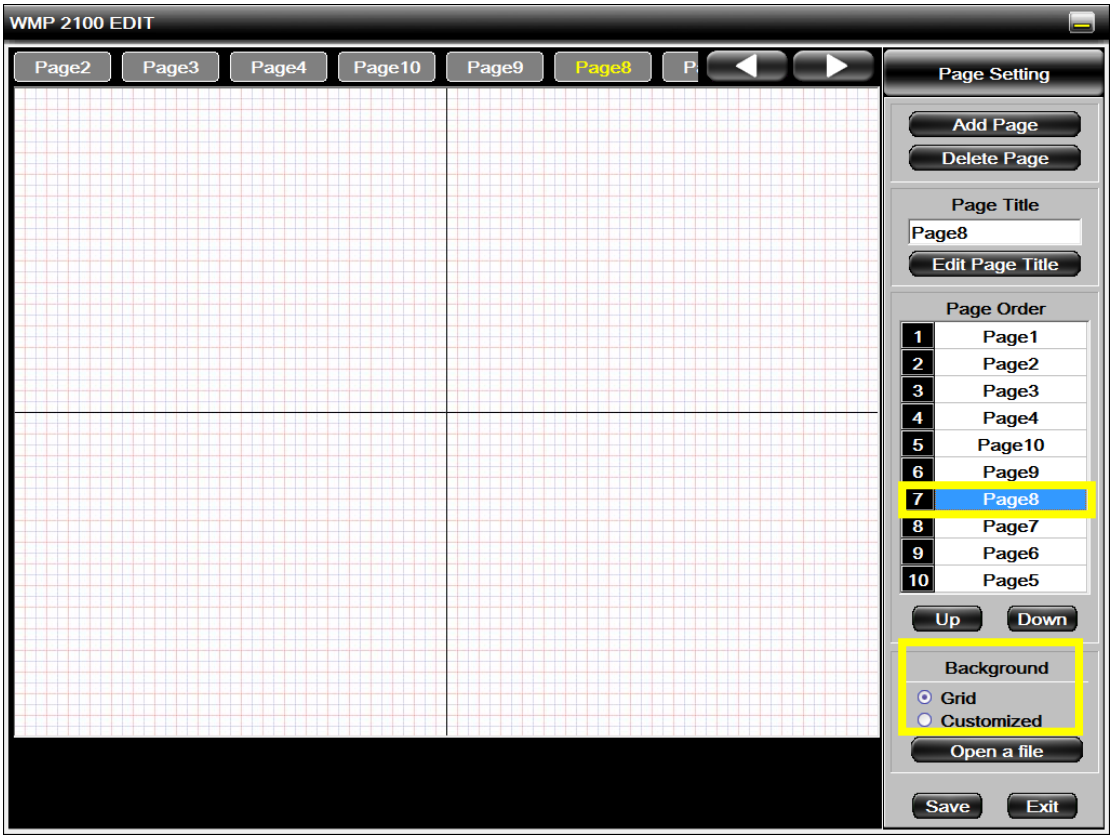
After arranging page order, click Save to save setting.

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1.1.4 Page Setting/ Background Setting

Except default pages (Page1, 2& 3), users can customize display style of each page (Page 4-10): grid or customized background.

Grid display example:

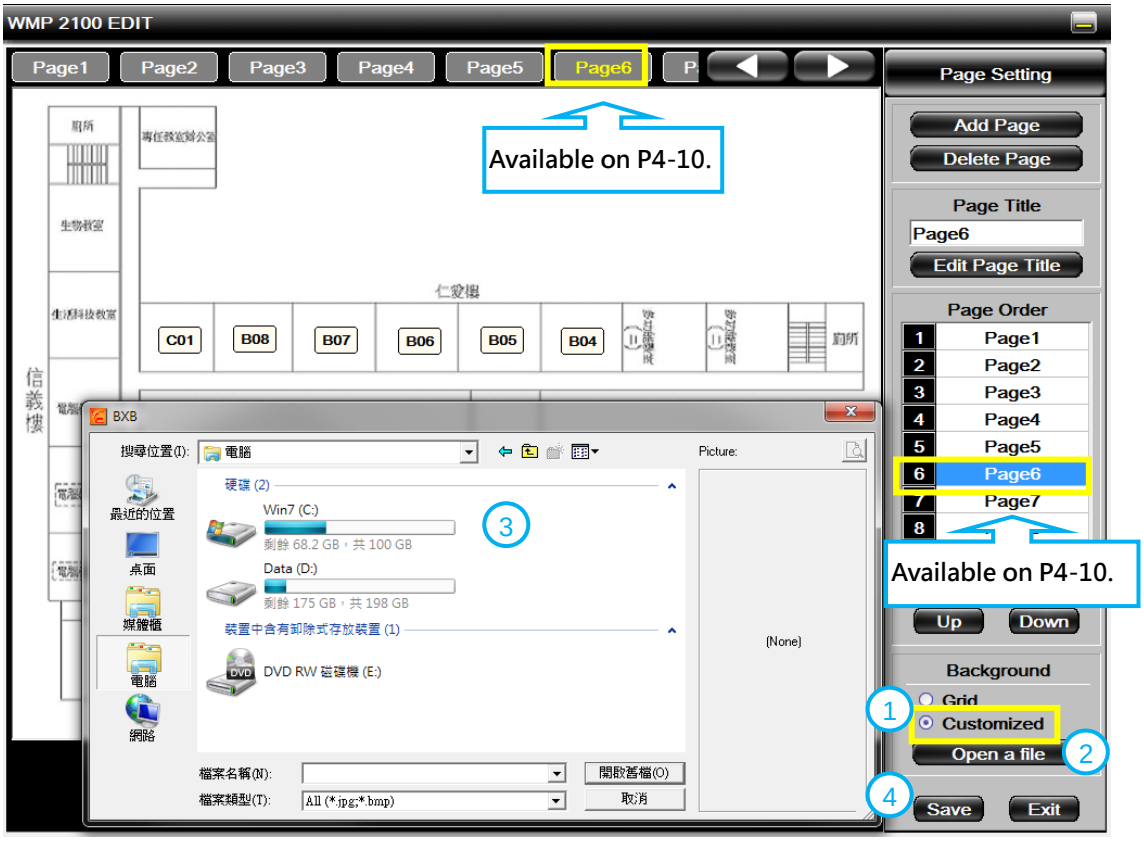


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Customized background display example:

1. Select customized.
2. Open a file.
3. Select the picture in computer.
4. After selecting, press save.

Recommend picture resolution: 800 * 600, picture other than this might result display errors.

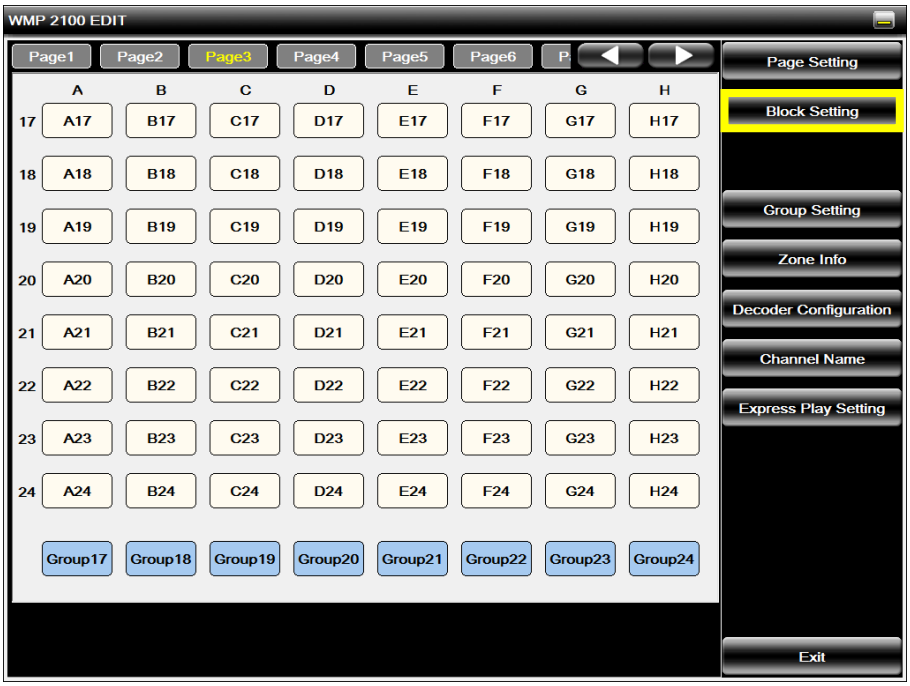


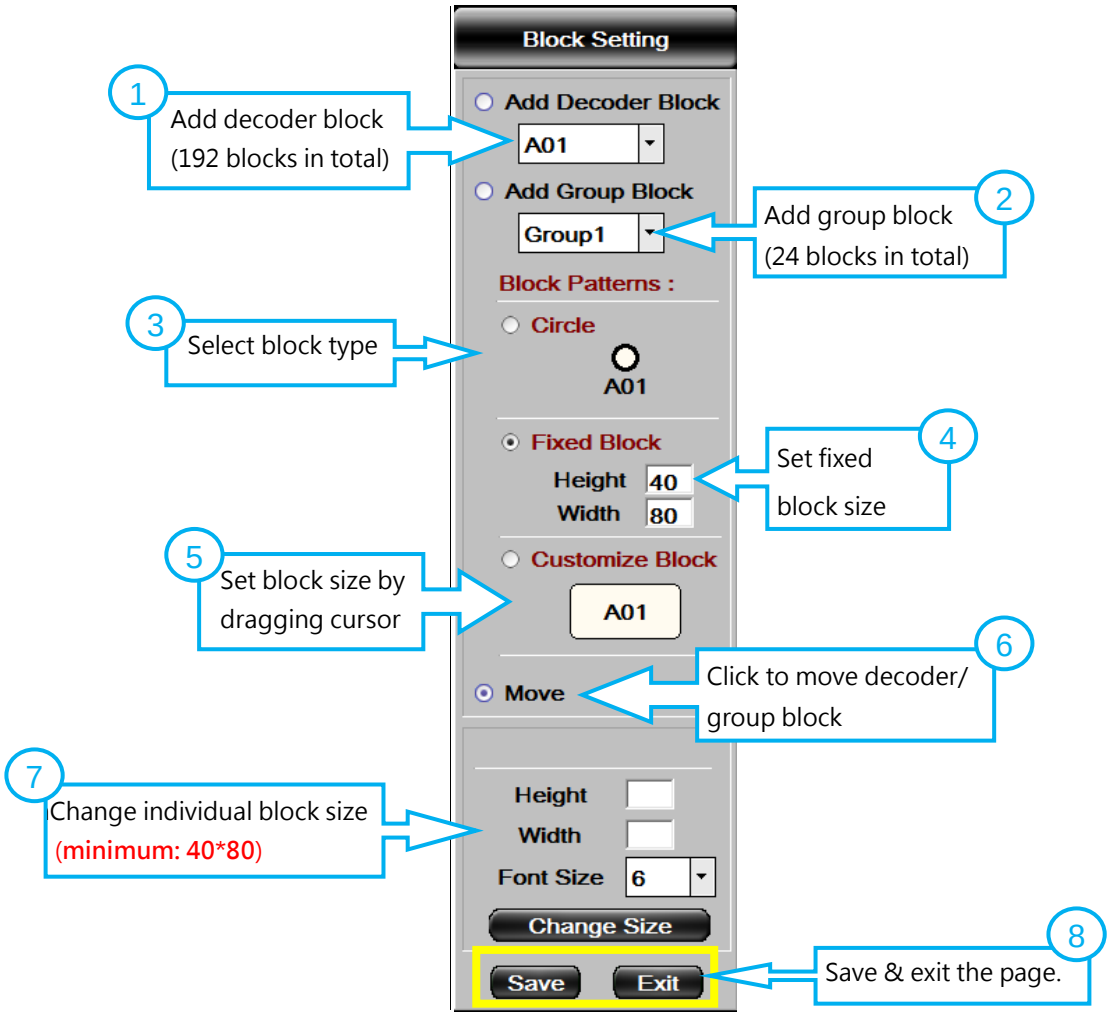
It can apply real map, venue map or floor plan; facilitates block decoder arrangement and management.

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1.2 Block Setting/ Add Decoder Block

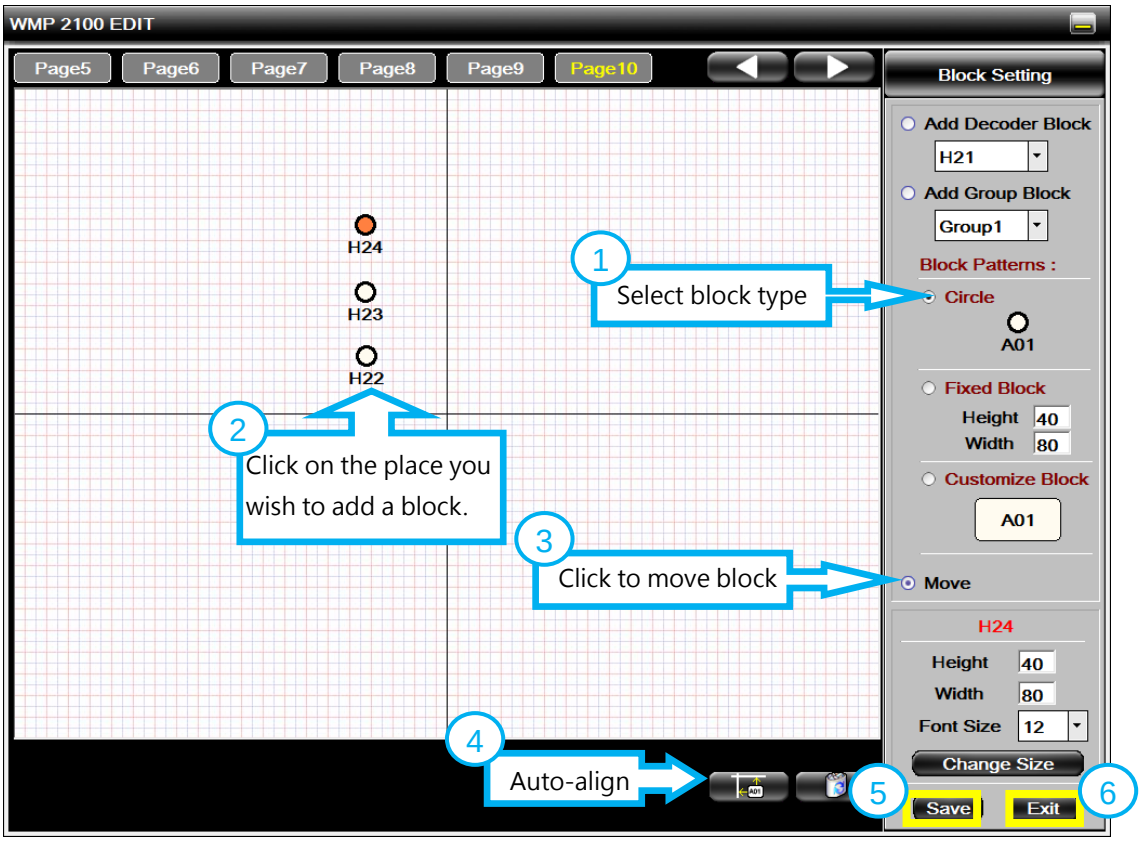
Click on Block Setting and refer to following.





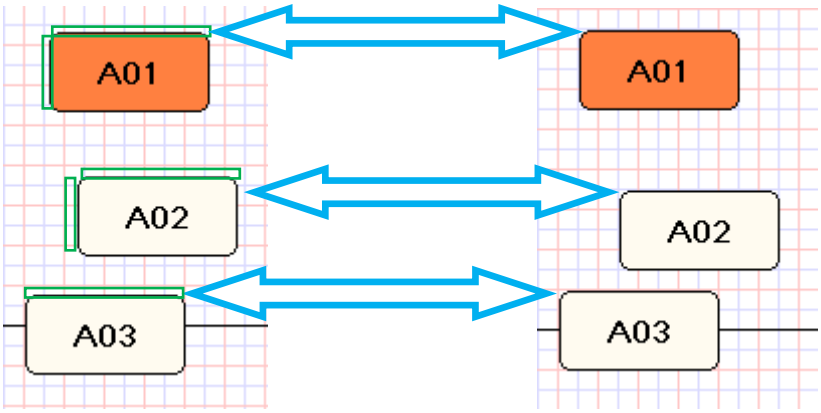
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1.2.1 Block Setting/ Add Decoder Block



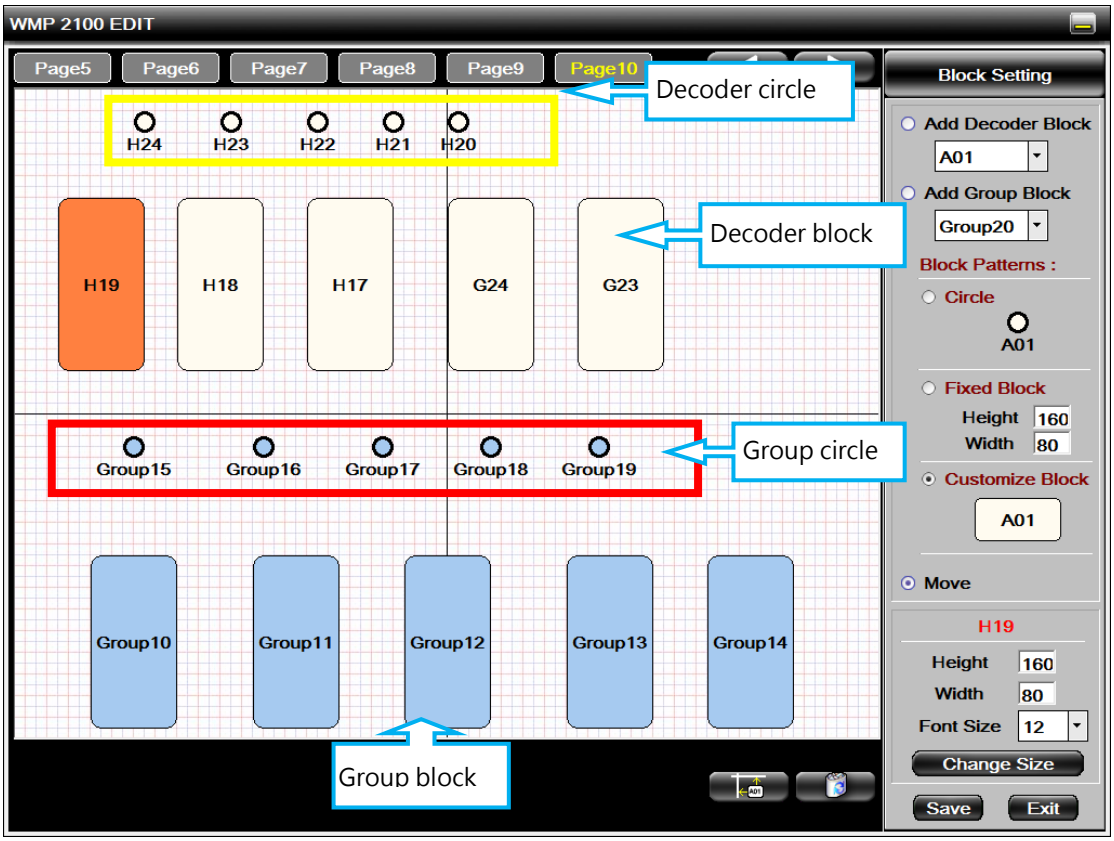
Auto-align example:

Before	After
There are spaces between the grid and the block.	There are NO spaces between the grid and the block.



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Following are examples of different types of block, including circles and blocks.

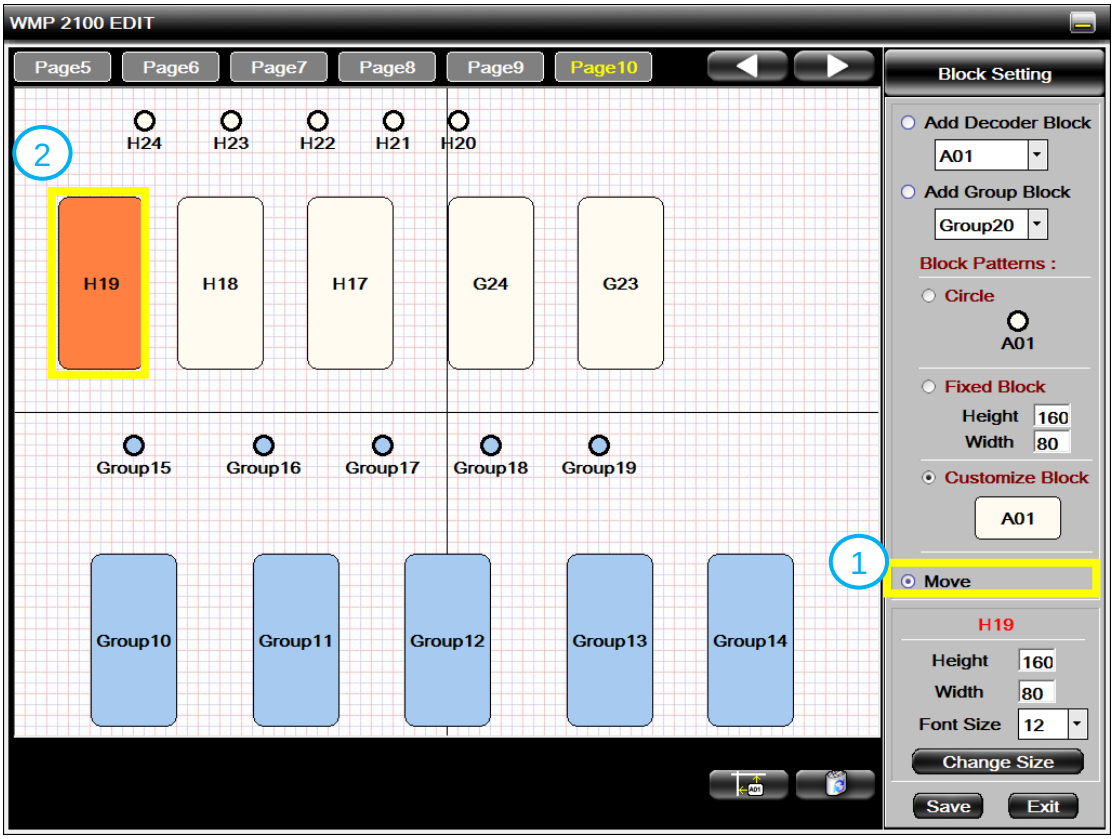


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1.2.2 Block Setting/ Move Decoder Block

Instruction：

1. Click on Move.
2. Select the block you want to move (shown orange) and drag it to desired position.

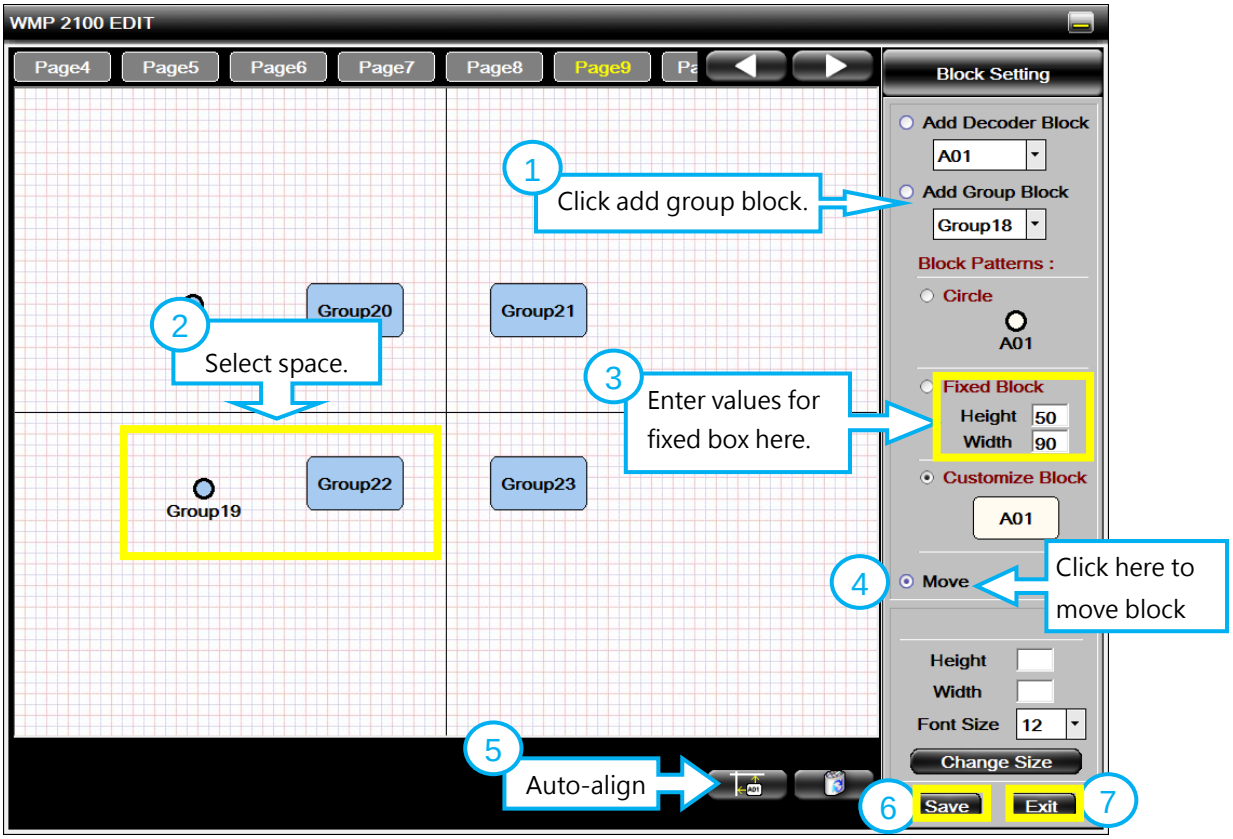


Following reminding block will be shown when click on Exit.



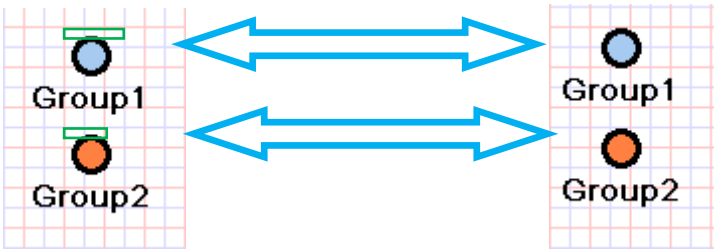
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1.2.3 Block Setting/ Add Group Block



Auto-align example:

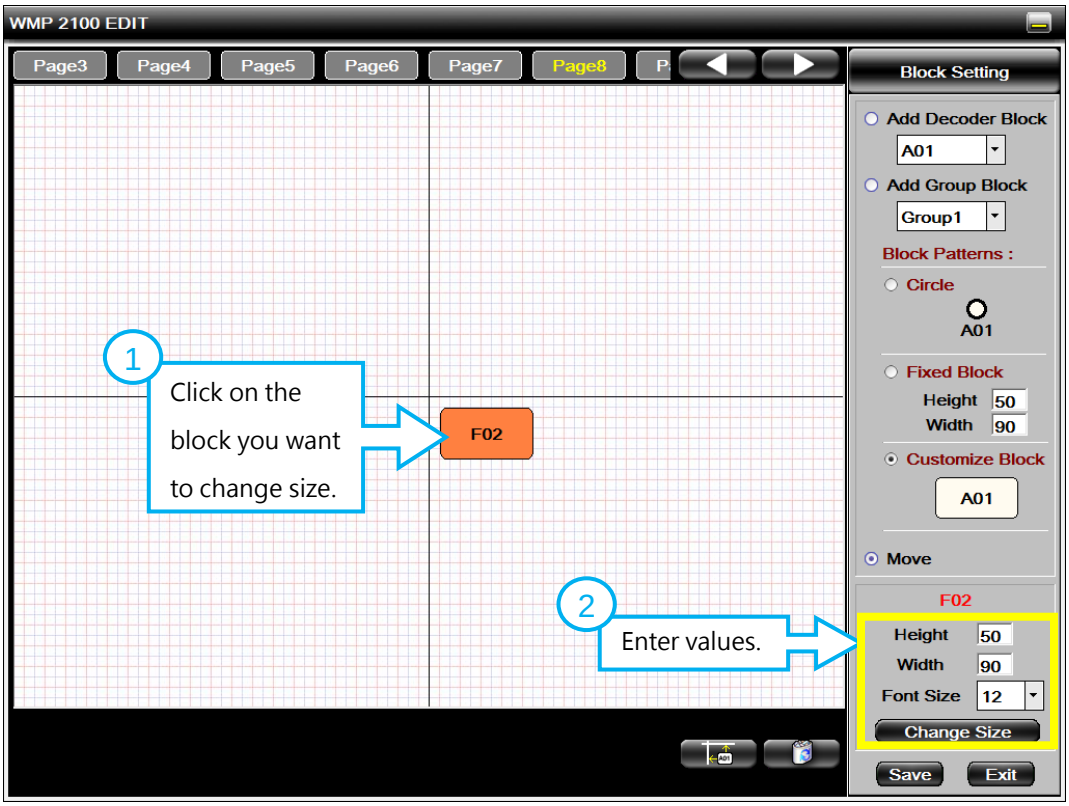
Before	After
There are spaces between the grid and the block.	There are NO spaces between the grid and the block.

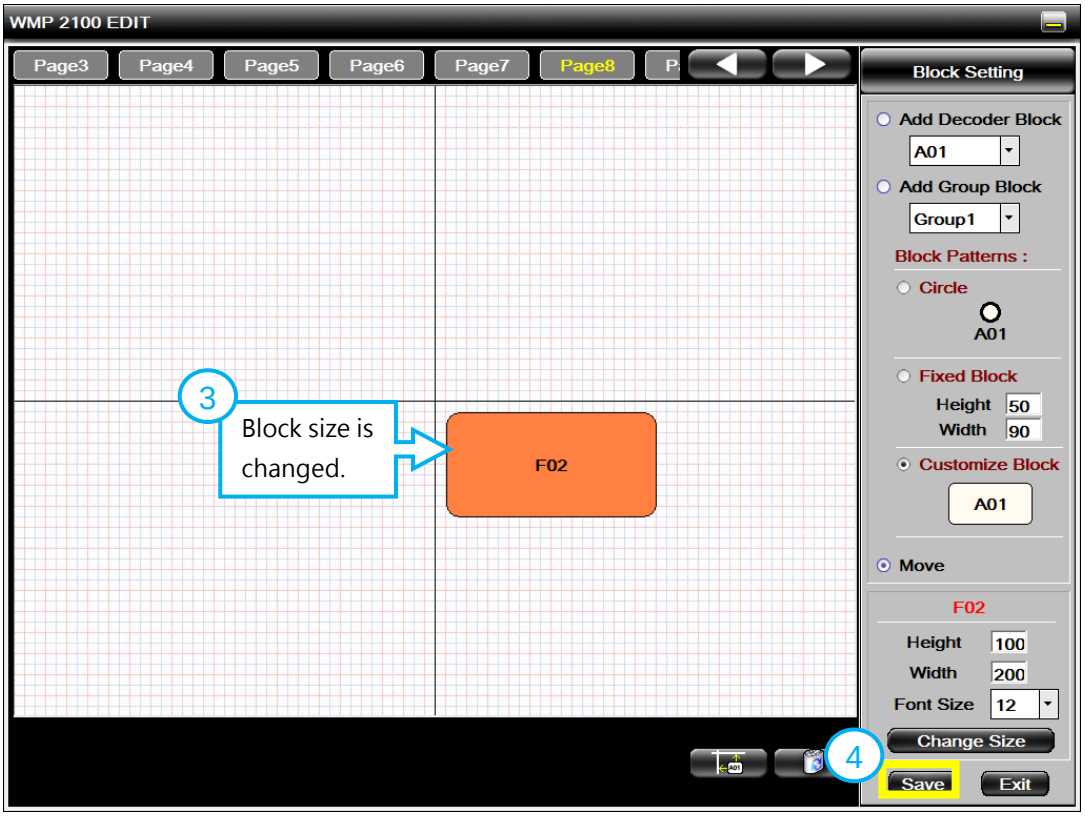


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1.2.4 Block Setting/ Change Block Size

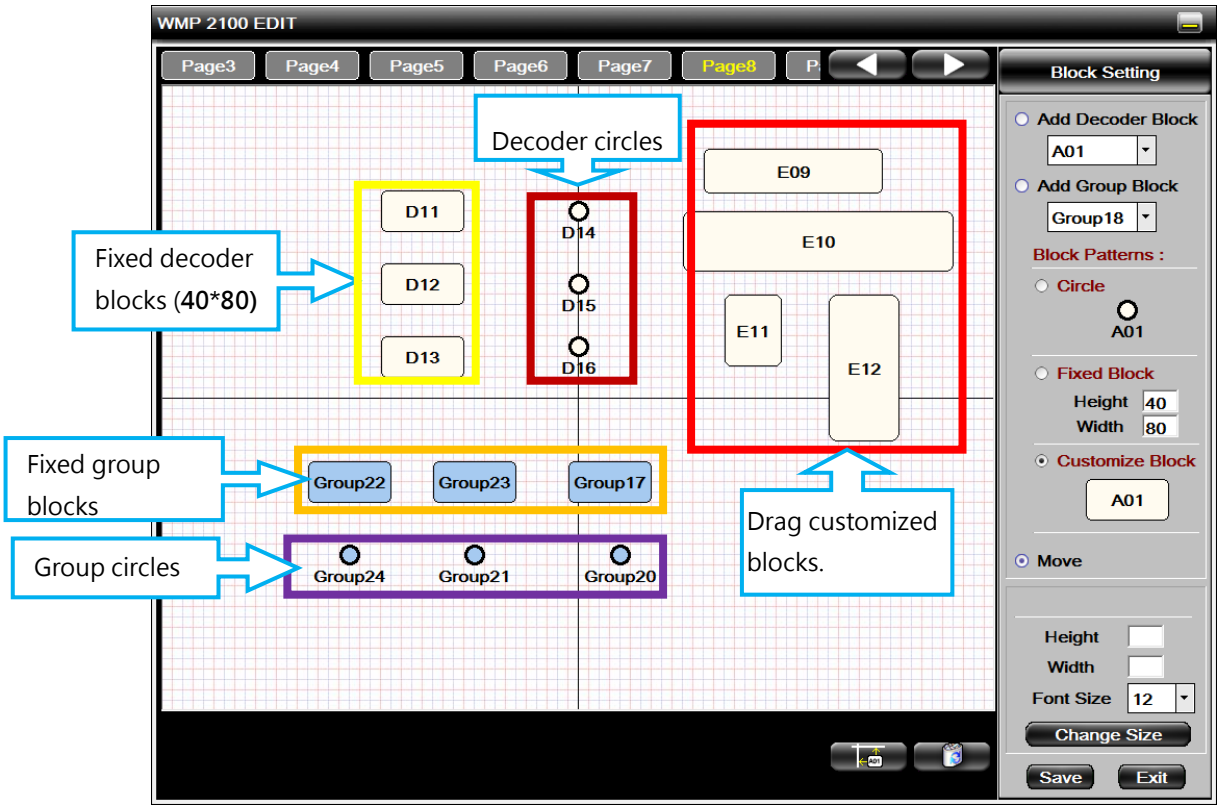
Click on the block you want to change size, enter desired height& width, click to Change Size and save settings.





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Following are examples of different types of block, including circles and fixed/ customized blocks.

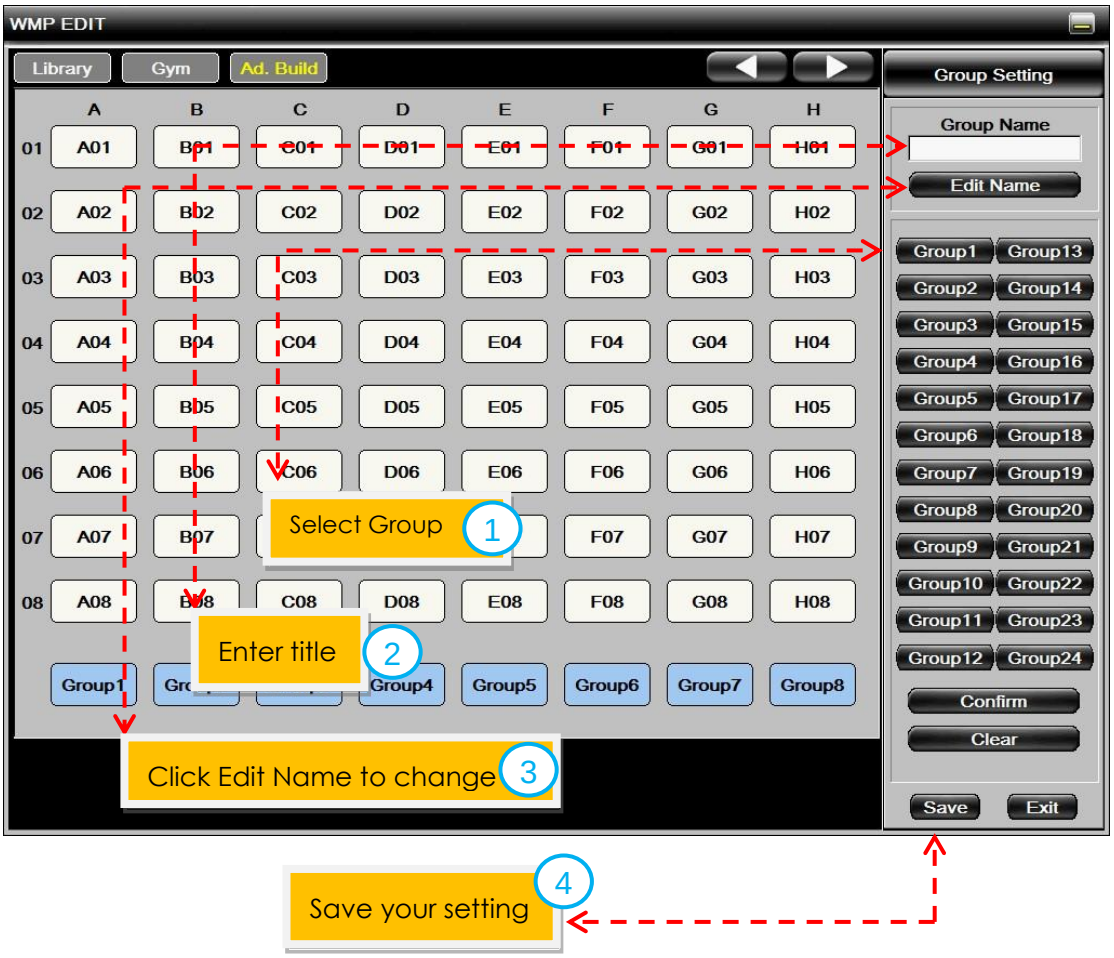


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1.3 Group Setting Video

Group 1 – Group 24 is the default setting. You can customize the title for each group. For example, you can define as 1st Grade, 2nd Grade, 3rd grade, library, lab, copy center…etc.

Follow blue numerical icon to edit group title.

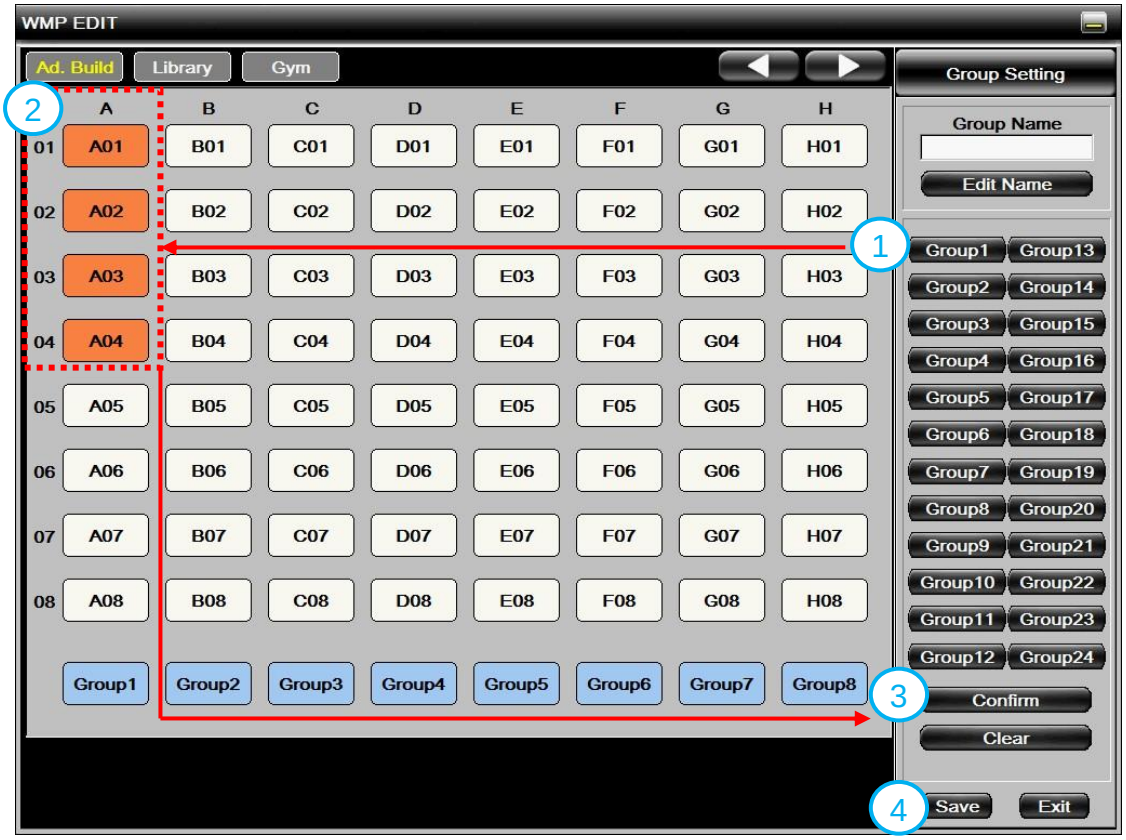


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1.3.1Group setting

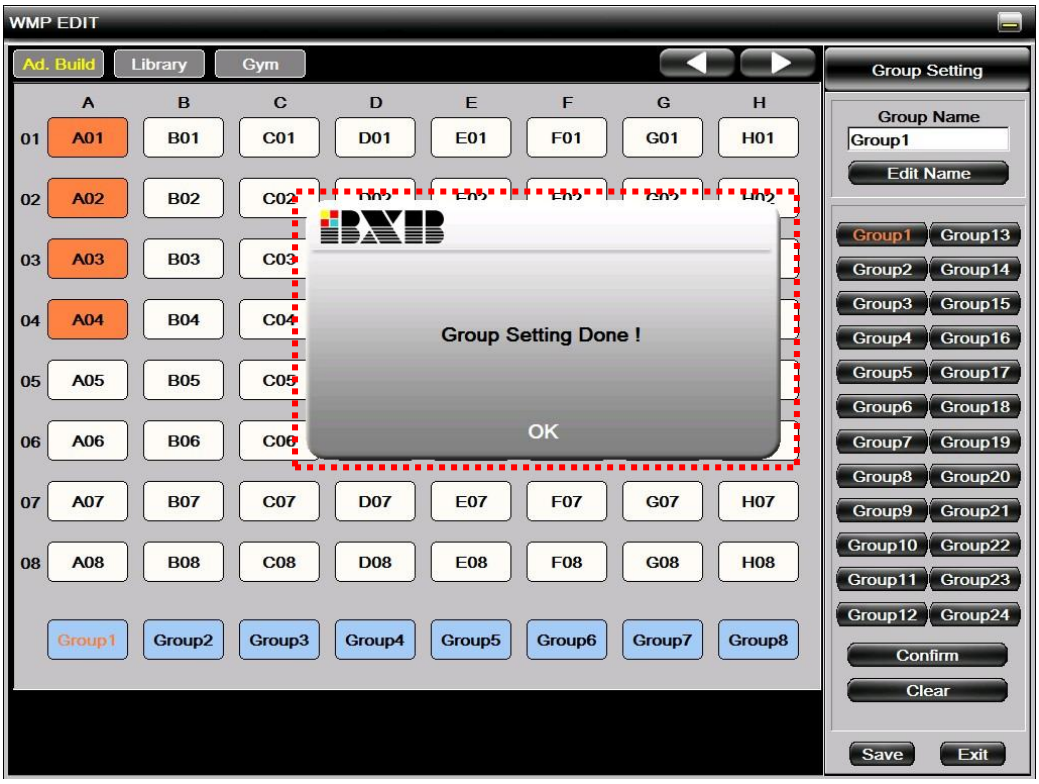
Please follow blue numerical icon.

1. Select Group. (In here, 1st Grade as an example.)
2. Highlight any single zones to be added. (in orange)
3. Click Confirm to complete.
4. Finally, click Save.



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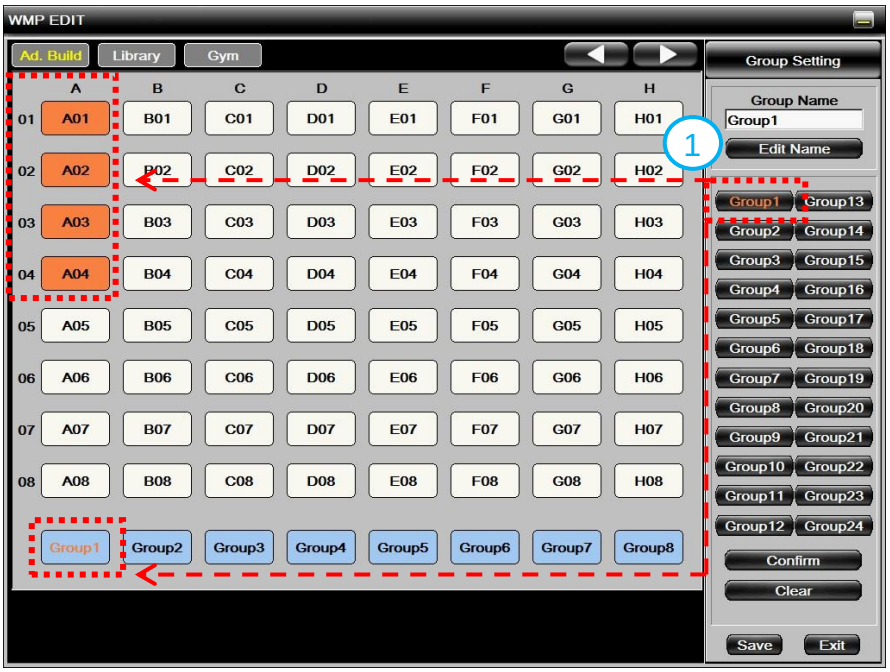
After clicking confirm, a screen pop-ups as following.



Group testing:

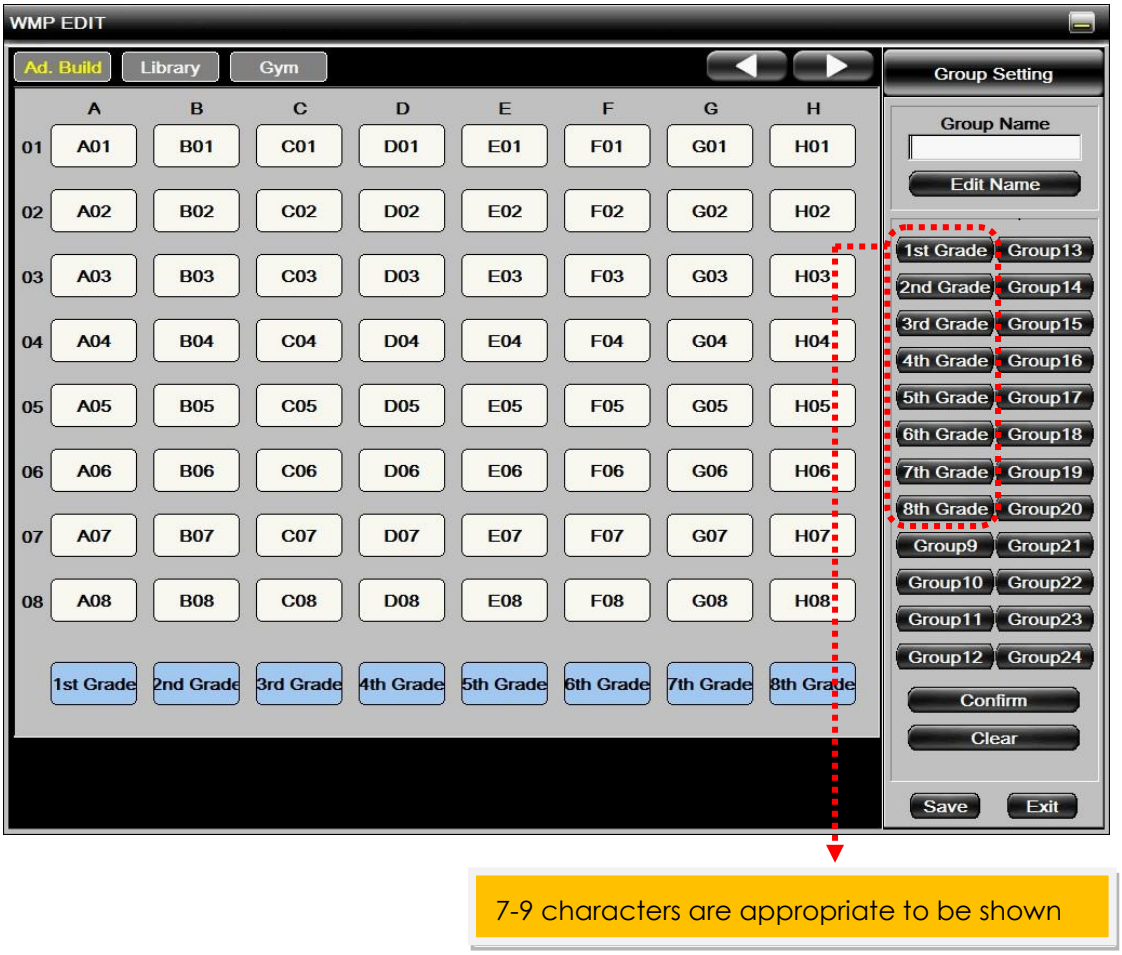
1. Select 1st Grade

2. If setting is successful, group shows in orange. (A01, A02, A03, and A04 in orange)



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1.3.1Group setting/Example

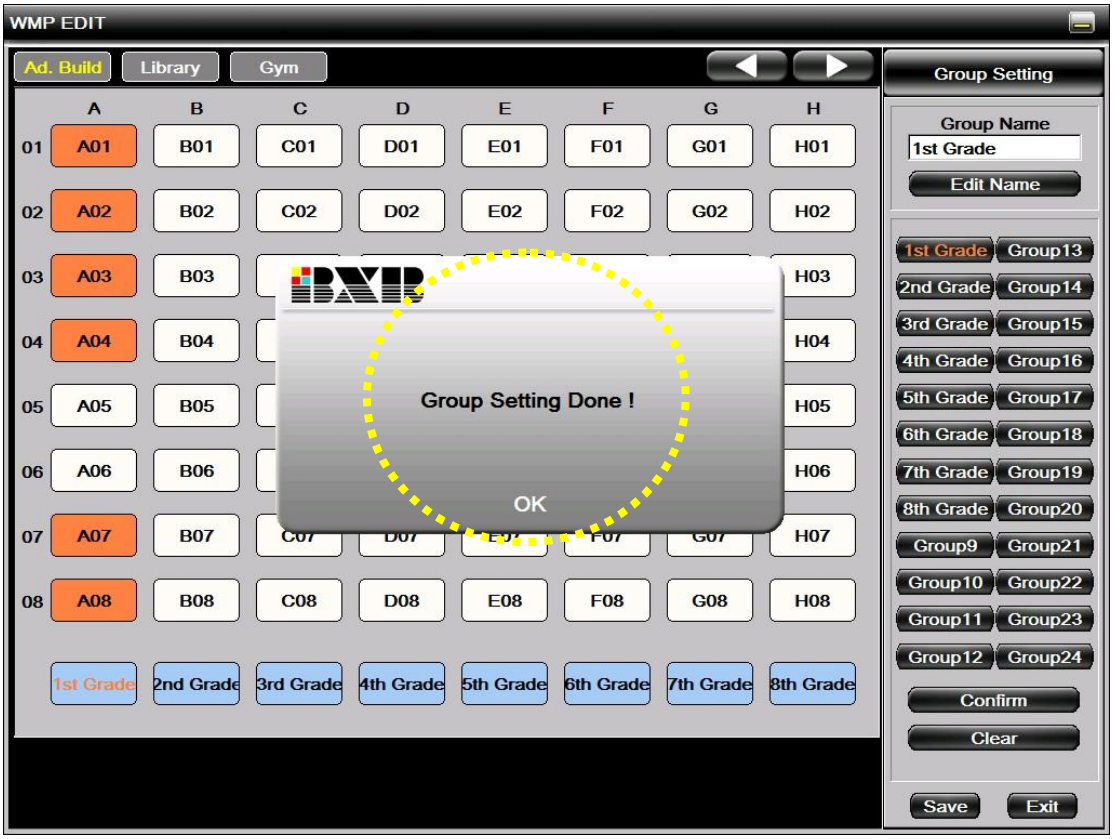


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1.3.2 Group setting/Add or Remove from Group

For example, if you'd like to add G07 & G08 into 1st Grade, please refer to following.

1. Select 1st Grade
2. Select A07 & A08.
3. Click Confirm (a screen will pop up)

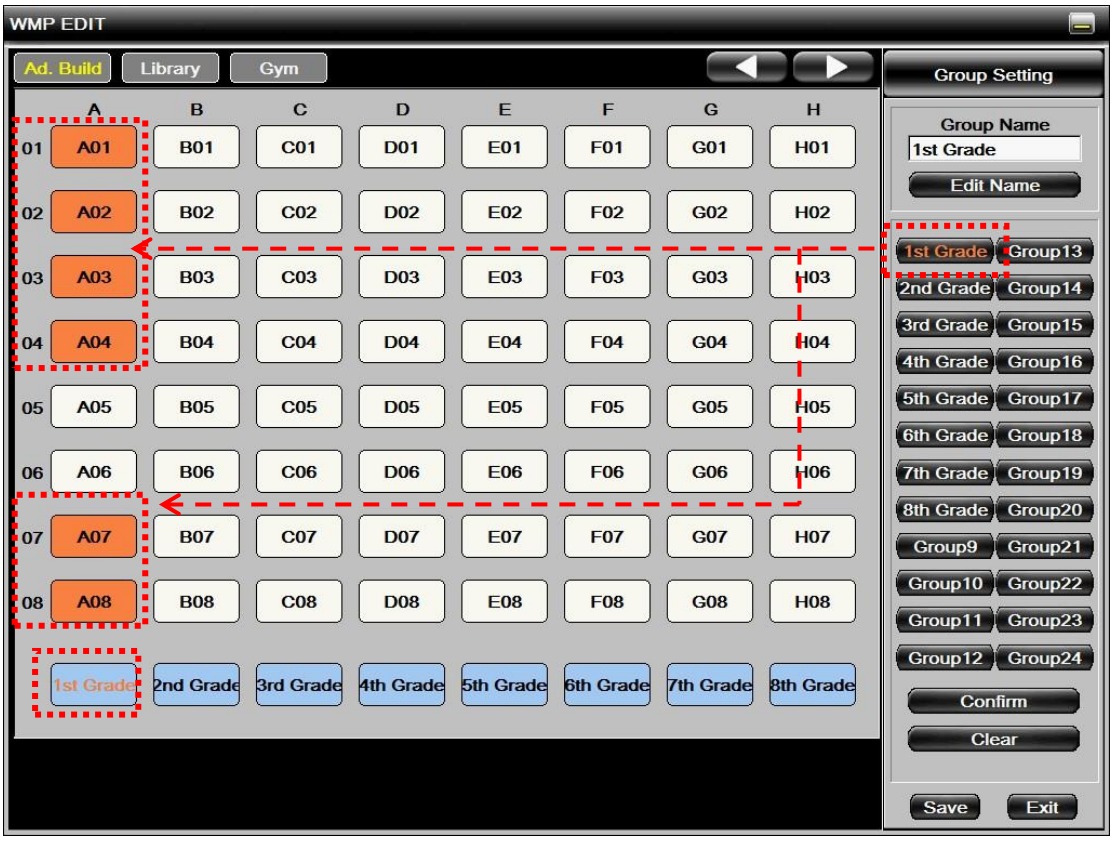


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Group testing:

1. Select 1st Grade

2. If setting is successful, group shows in orange. (A01, A02, A03, B01, B02, B03, G07 and G08 in orange)

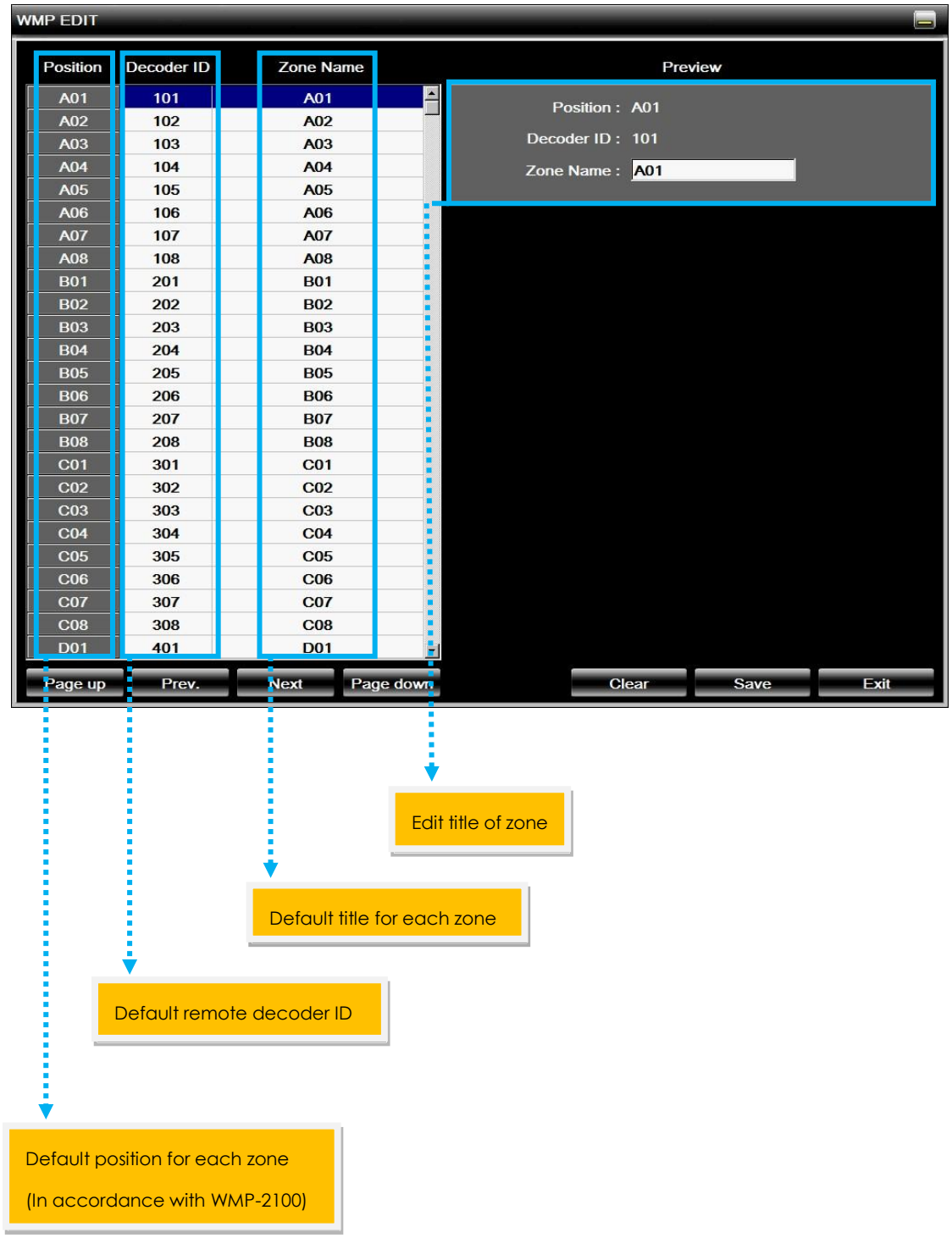


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1.4 Zone Info

Video

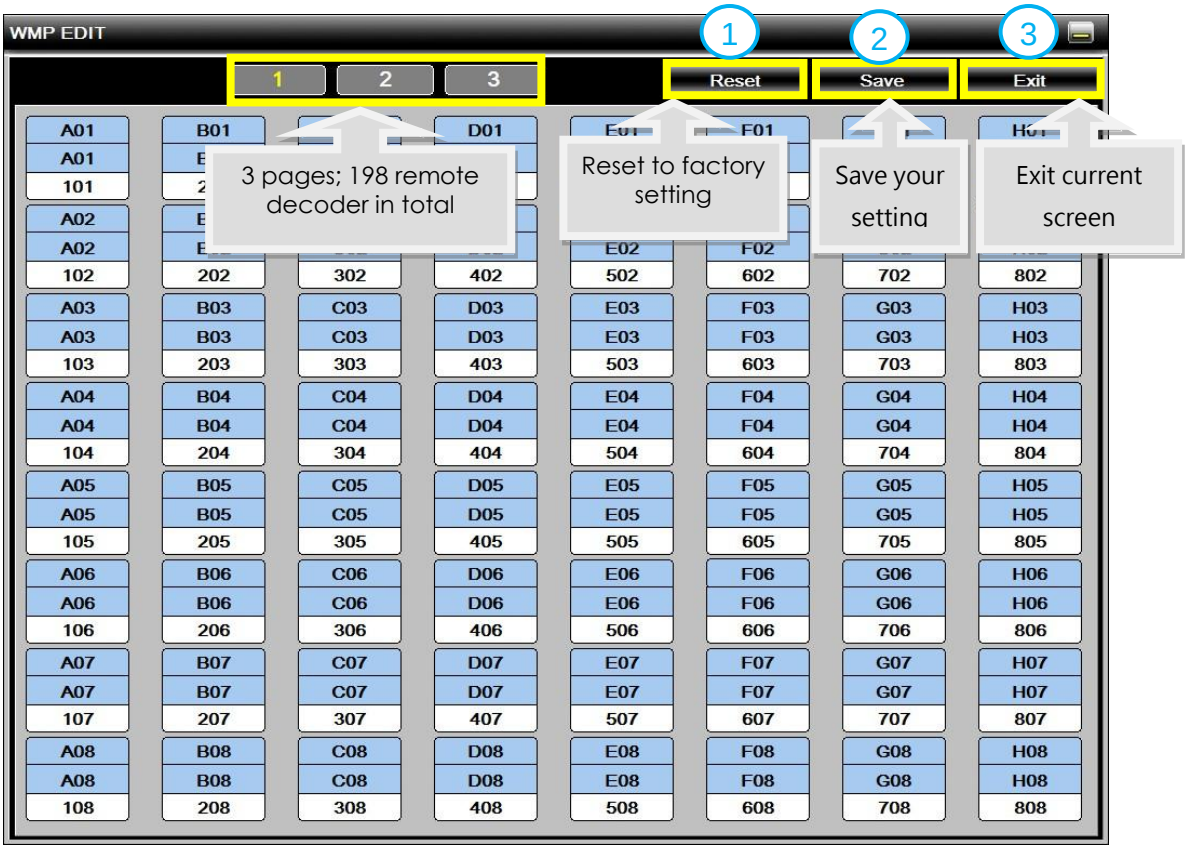
There are 192 zones in total.



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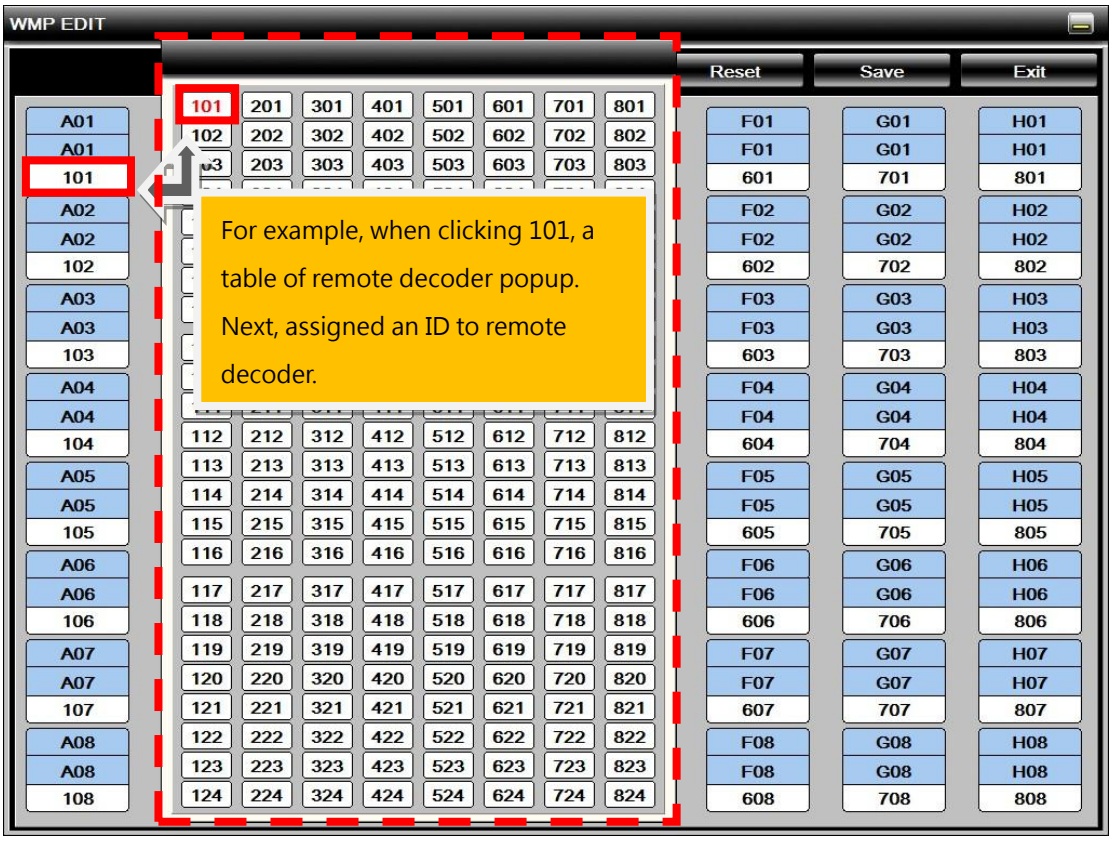
1.4 Decoders Configuration

PA Control software provides access to let you easily change remote decoder's id. Unlike traditional, user can quickly change remote decoder's id done by software which can save you lots of time and cost to change manually.



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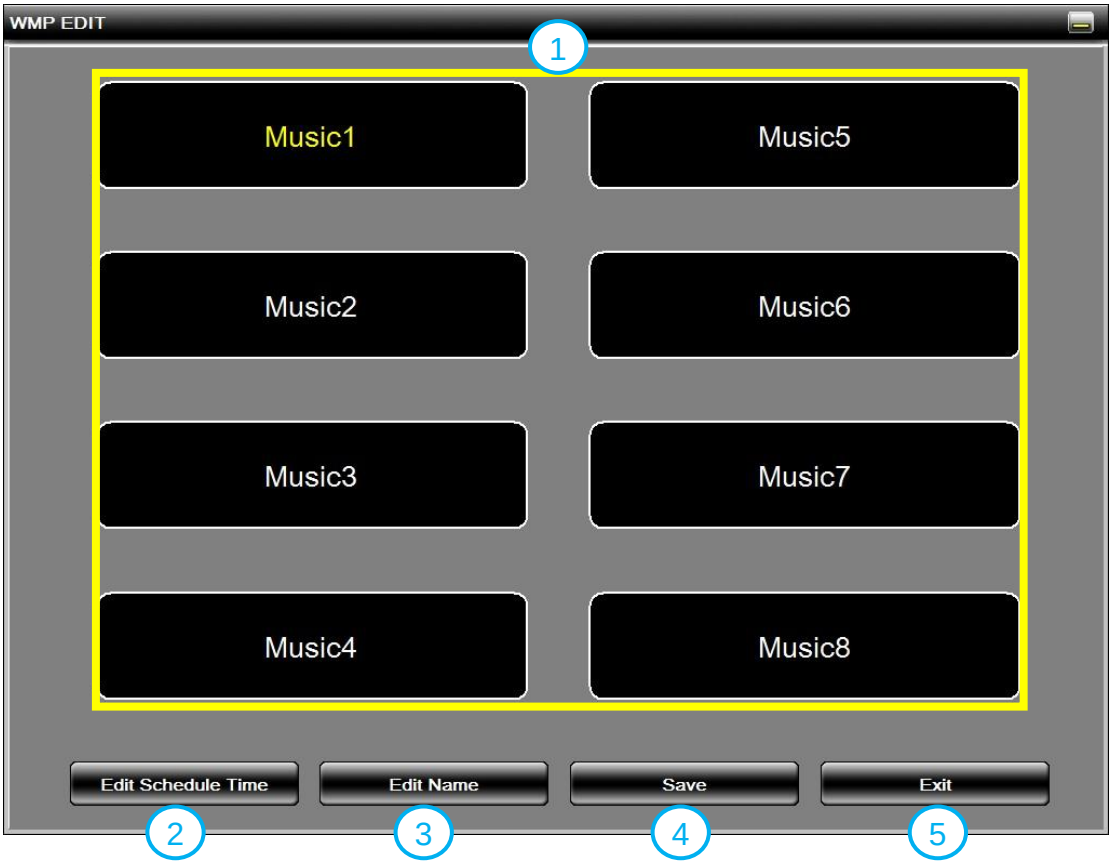
1.4 Remote Decoder configuration/Application



Application: For example, class A (ID:101) and class B (ID:102) are assigned in the beginning of spring semester. Then, in fall semester, both classrooms are rearranged. Technician only needs to change remote decoder's ID through PA Control software which saves lots of time.

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2. Music Timer



1. Music Timer: Up to 8 sets of music timer

   You can establish unlimited music timers which may be varied upon on your disk space
2. Edit Schedule Time: Edit music timer
3. Edit Name: Edit default title
4. Save: save setting
5. Exit: exit music timer setting

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2. Music Timer/Edit Name

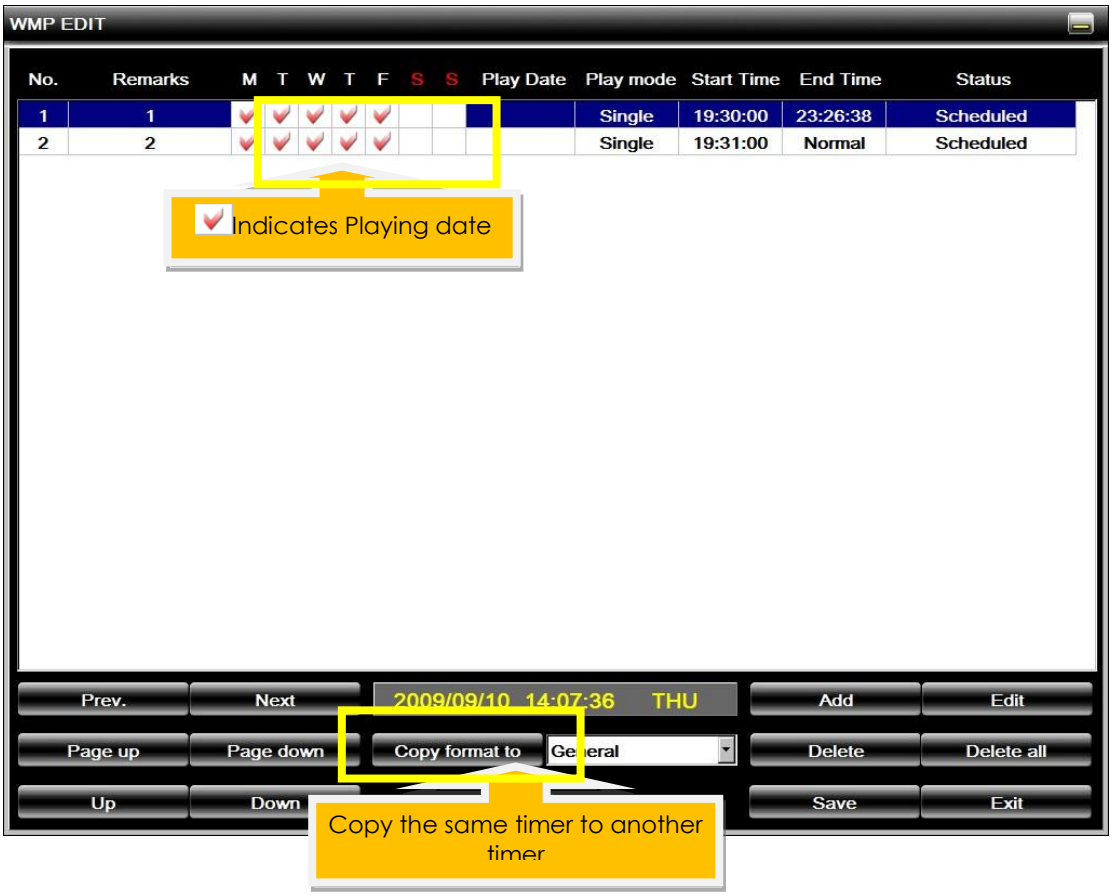
Video

Example of editing title



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2.1 Music Timer



No.：Sequence of music timers

Remarks：Title of each timer

Play Date：Circulate by week or play at a specific date

Play Mode：Single/ mix/ random

Start Time：Specify time to start.

End Time： Specify time to end. （ Timing should be valid to save ）

Status：Music files will be played if shown “scheduled”

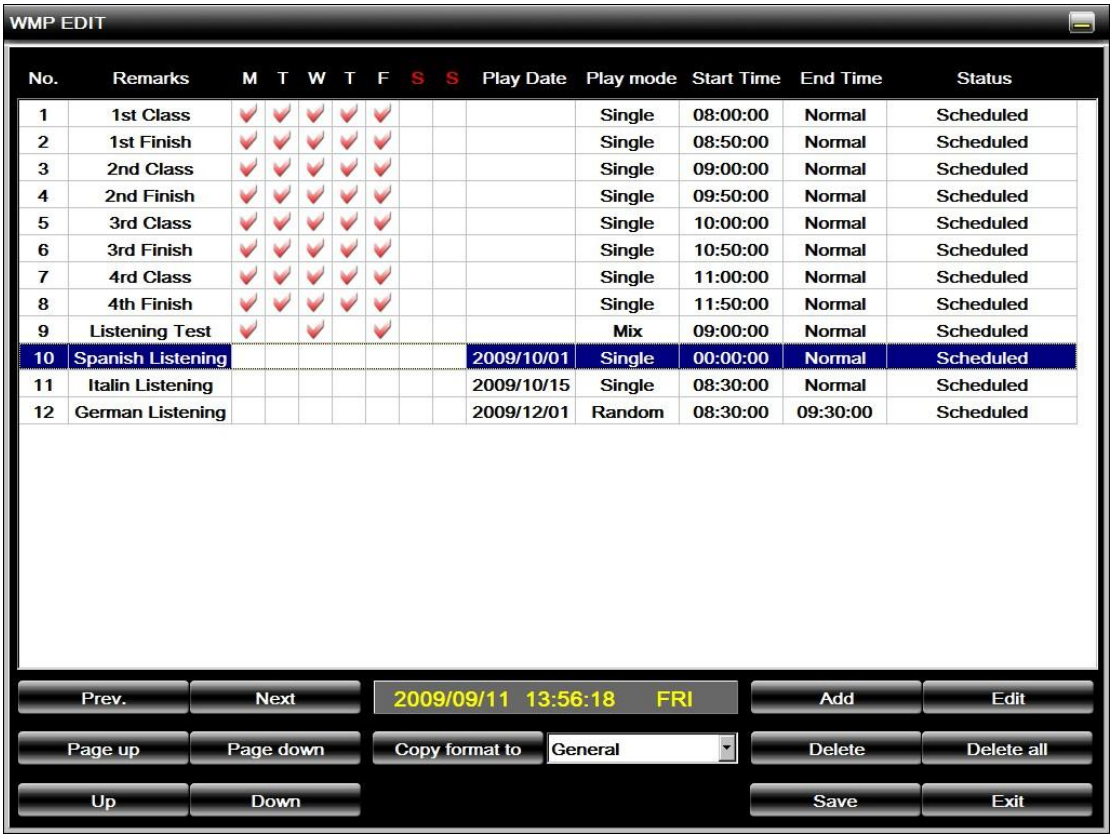
Copy Format To: Copy the same timer to another timer

Video

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2.1 Music Timer: Example

Video



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2.1 Music Timer: setting

1. Remark: Name the schedule. For example, 1st break, 2nd break, 3rd break…etc.

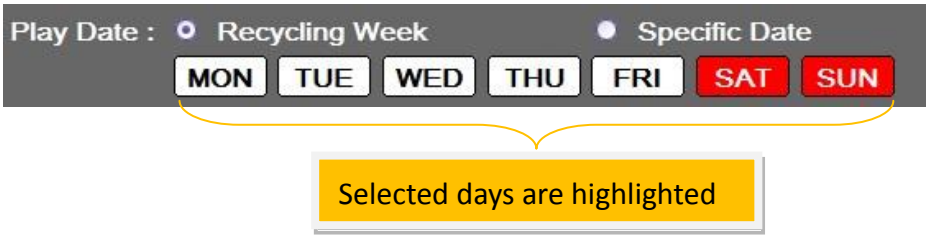


2. Play Date: Recycling Week

Example: Monday, Tuesday, Wednesday, Thursday, Friday



Example: seven days a week



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Specific Date:

The date should be later than current date; otherwise, error message occurs.



If the selected is invalid, message is shown as follow.



3. Play Mode：Single/Mix/Random

Please refer to next page.



4. Play Zone：All Group/Group（3 groups can be chosen）

Your screen may differ from following example.



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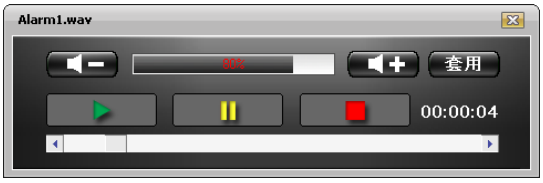
2.2 Music Timer/Single

Play Mode：Single



File Name： MP3、WAV、WMA and MIDI are supported

Pre-Listen: Listen to the music you select



Clear: Cancel the selected music

Start/End From：A-B period play

Start time：Select the time (00：00~23：59) to start playing.

Repeat：re-play

End Time：Select the time to finish playing.

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Normal：play one time

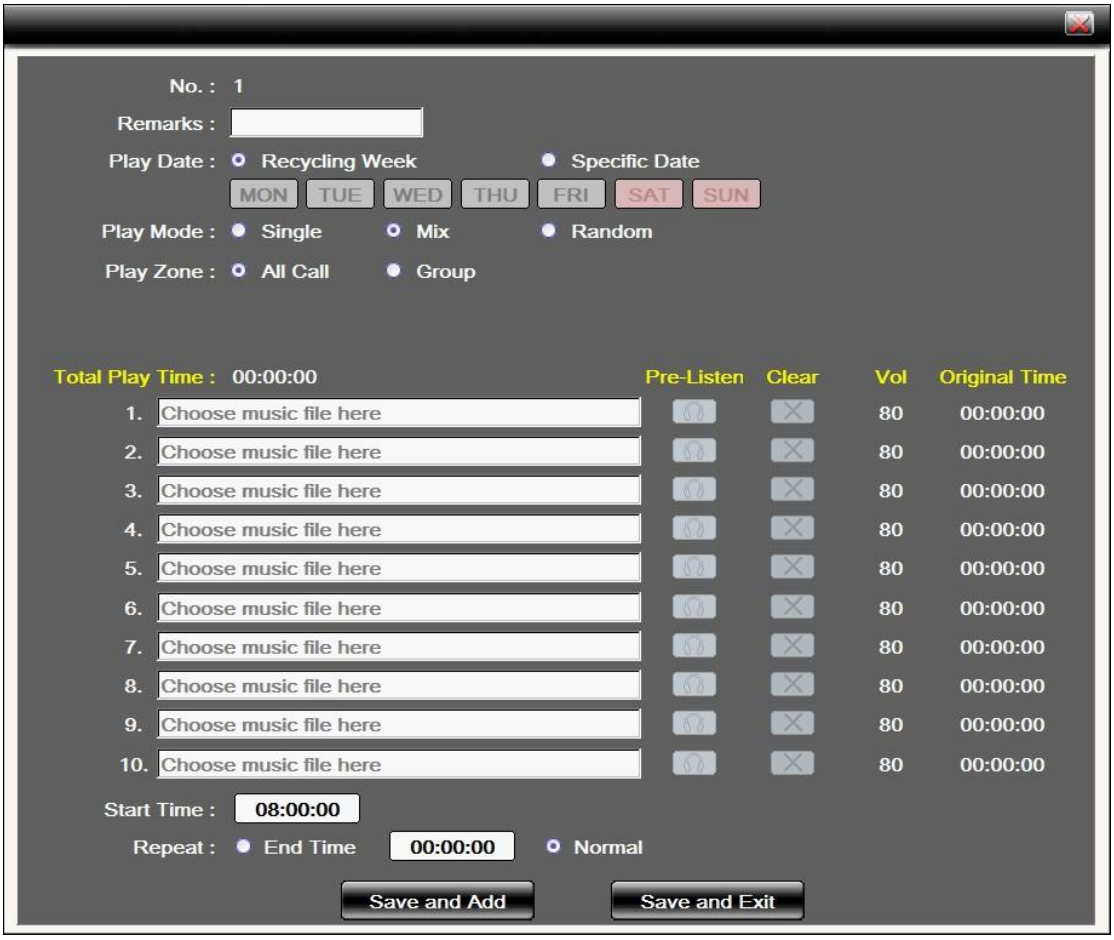
Vol: volume control

Original Time: Length of file

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2.3 Music Timer/Mix

Example of Mix; up to 10 files



Start Time：time to start

Repeat：re-play

End Time：time to end

Normal：Play one time

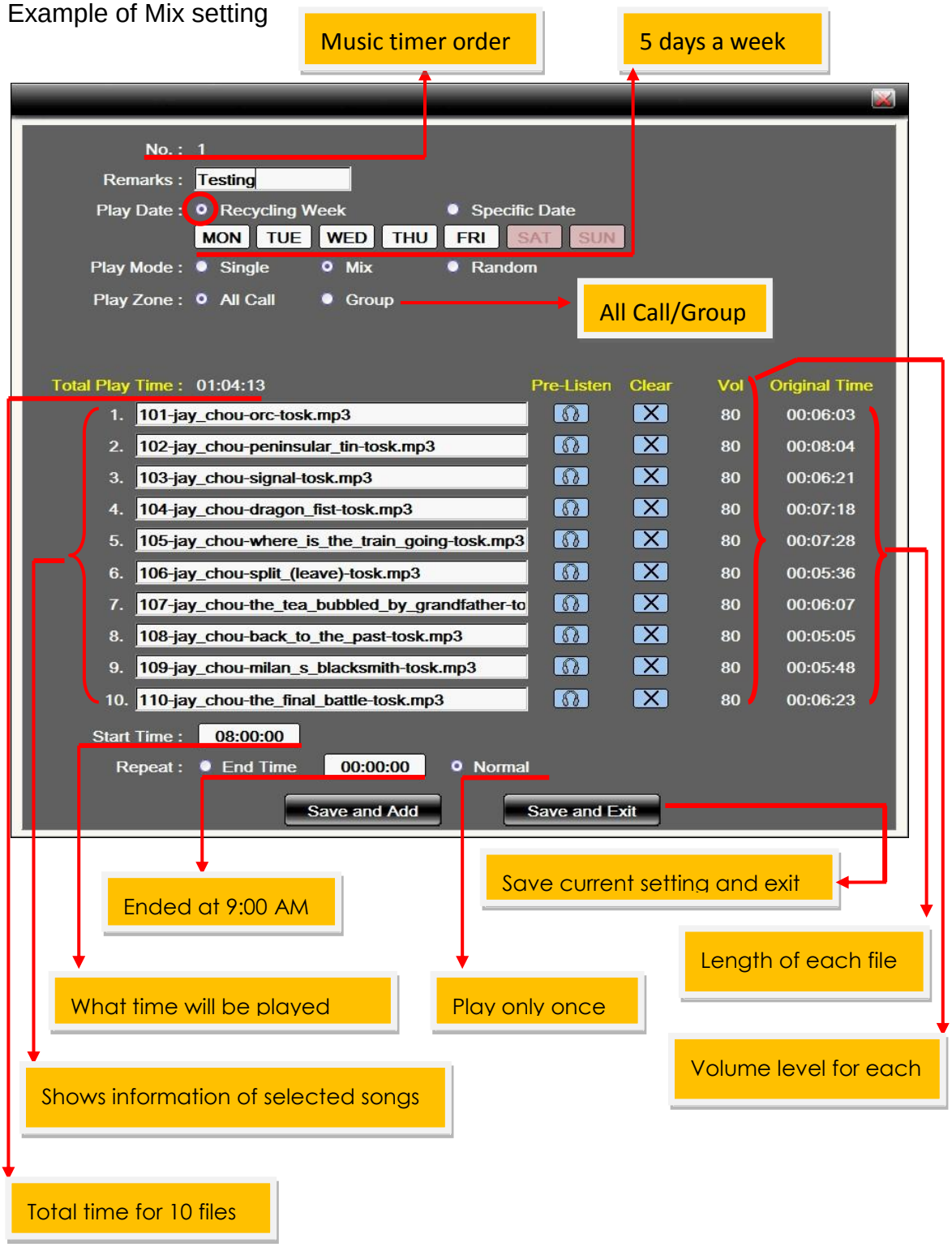
Save and Add：save current setting and add new music timer

Save and Exit：save setting and exit

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2.2 Music Timer/Mix

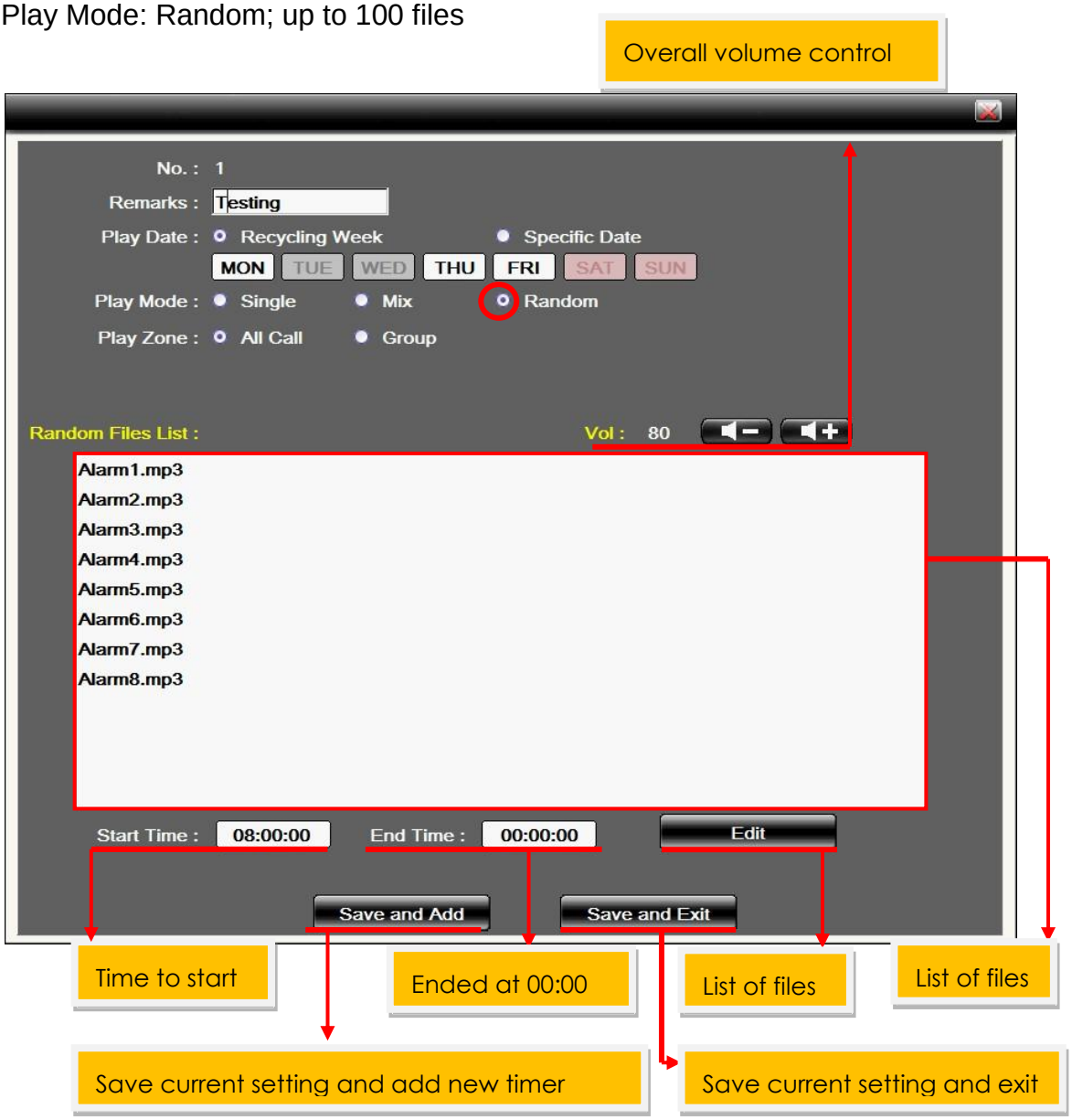
Example of Mix setting



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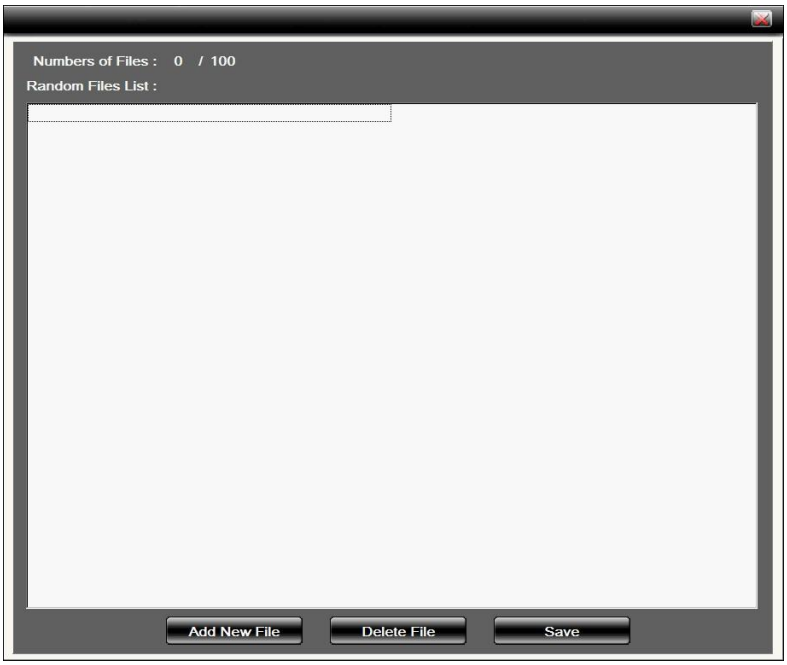
2.3 Music Timer/Random

Play Mode: Random; up to 100 files

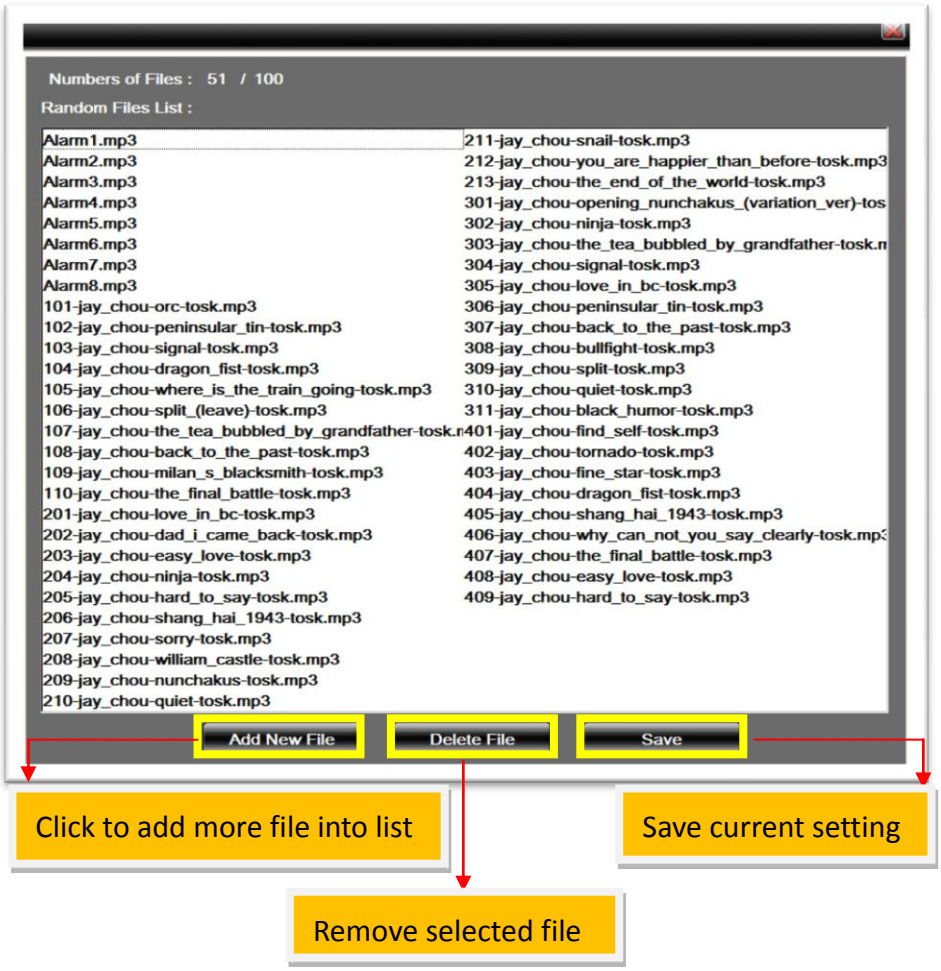


Multi-channel Video

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After files are added, screen shows as follow.

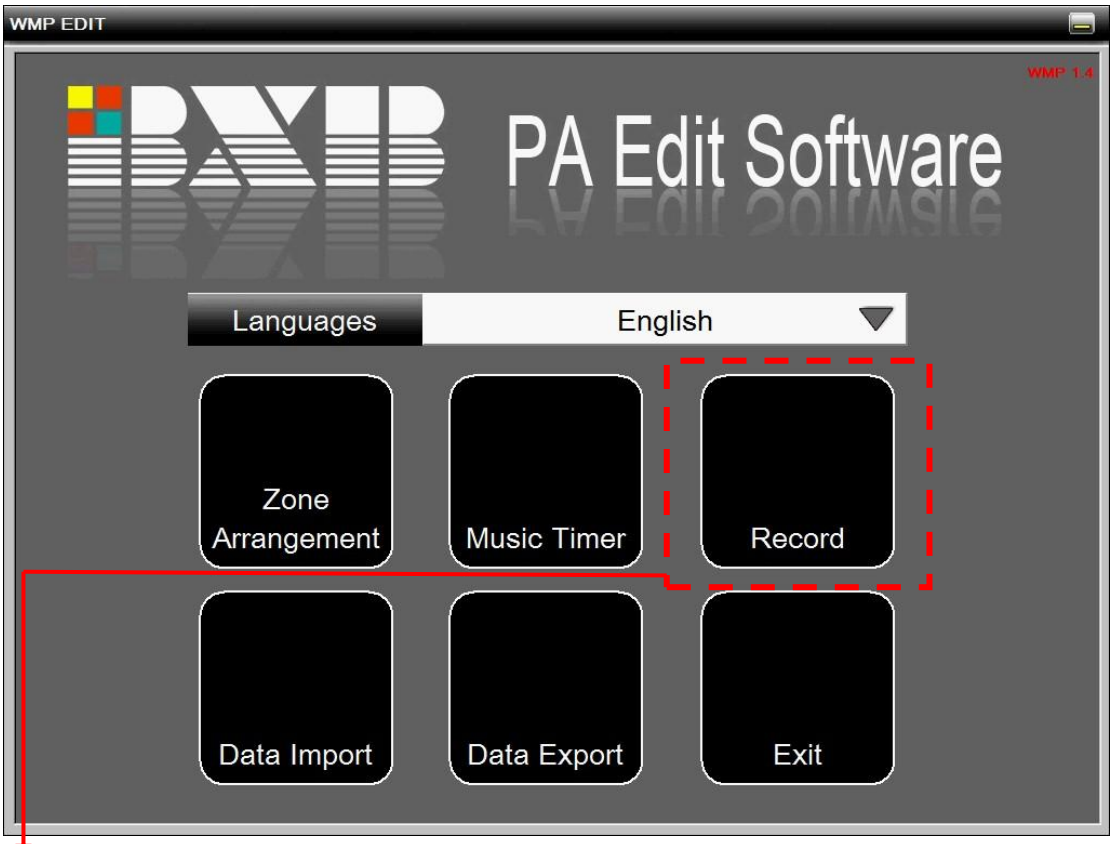


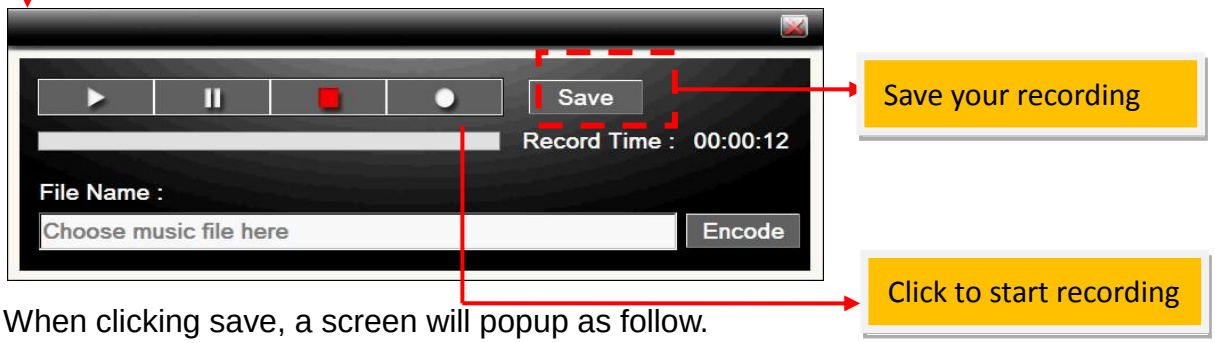
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3. Record

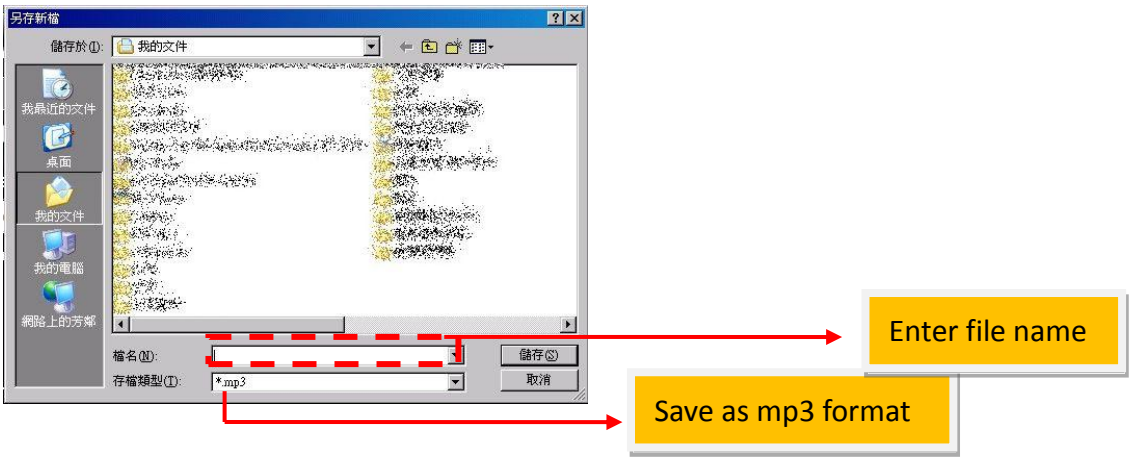
Video

BXB PA Edit Software has built-in recording function which provides you have quick access to record and save as the most popular format MP3.



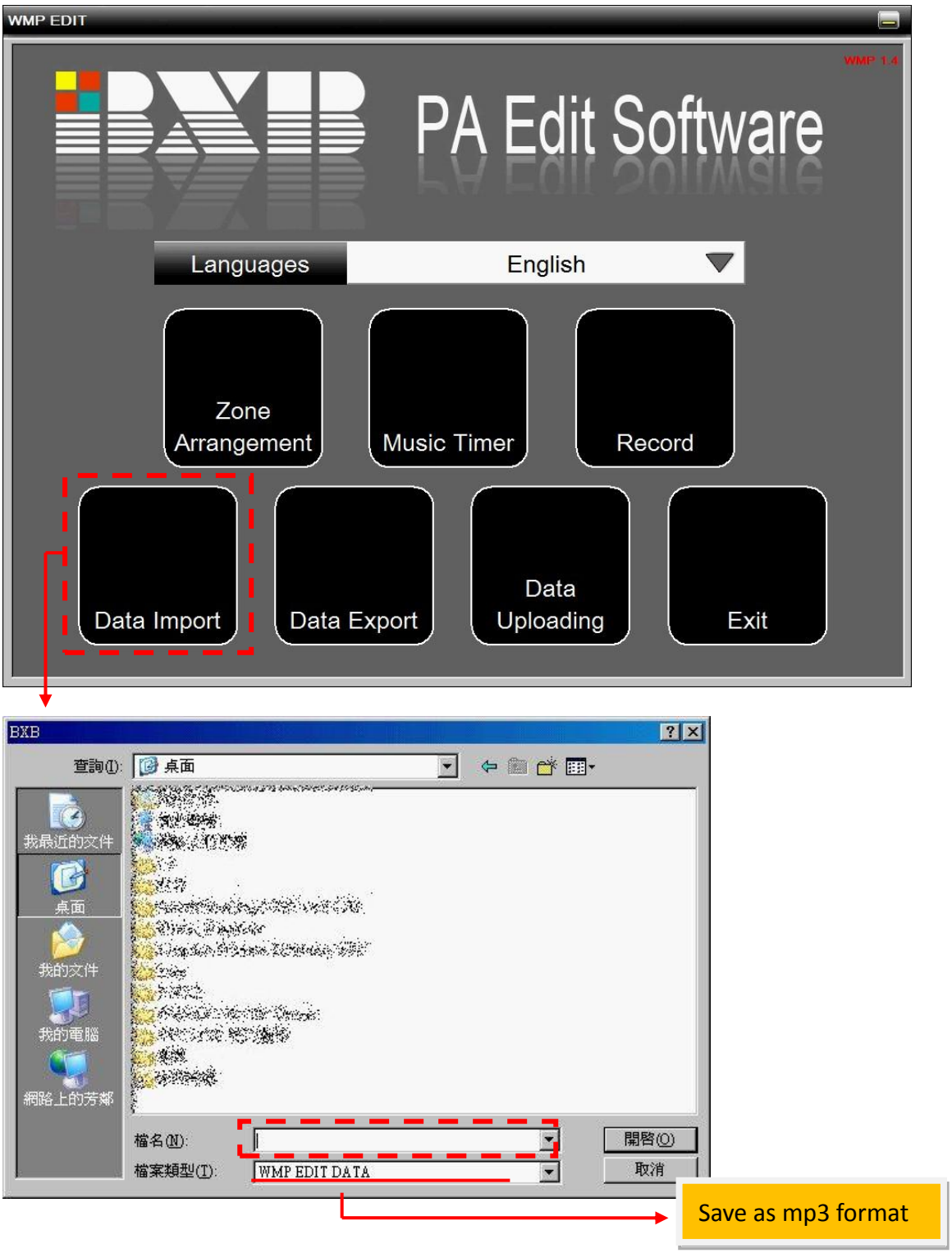


When clicking save, a screen will popup as follow.



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4. Data Import



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Appendex

Decoder Block Index

A01	B01	C01	D01	E01	F01	G01	H01
A02	B02	C02	D02	E02	F02	G02	H02
A03	B03	C03	D03	E03	F03	G03	H03
A04	B04	C04	D04	E04	F04	G04	H04
A05	B05	C05	D05	E05	F05	G05	H05
A06	B06	C06	D06	E06	F06	G06	H06
A07	B07	C07	D07	E07	F07	G07	H07
A08	B08	C08	D08	E08	F08	G08	H08
A09	B09	C09	D09	E09	F09	G09	H09
A10	B10	C10	D10	E10	F10	G10	H10
A11	B11	C11	D11	E11	F11	G11	H11
A12	B12	C12	D12	E12	F12	G12	H12
A13	B13	C13	D13	E13	F13	G13	H13
A14	B14	C14	D14	E14	F14	G14	H14
A15	B15	C15	D15	E15	F15	G15	H15
A16	B16	C16	D16	E16	F16	G16	H16
A17	B17	C17	D17	E17	F17	G17	H17
A18	B18	C18	D18	E18	F18	G18	H18
A19	B19	C19	D19	E19	F19	G19	H19
A20	B20	C20	D20	E20	F20	G20	H20
A21	B21	C21	D21	E21	F21	G21	H21
A22	B22	C22	D22	E22	F22	G22	H22
A23	B23	C23	D23	E23	F23	G23	H23
A24	B24	C24	D24	E24	F24	G24	H24

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Start to use [WSC SERVER]

After WSC-SERVER is installed, shortcut appears in the desktop as right hand side. Double click to execute program.



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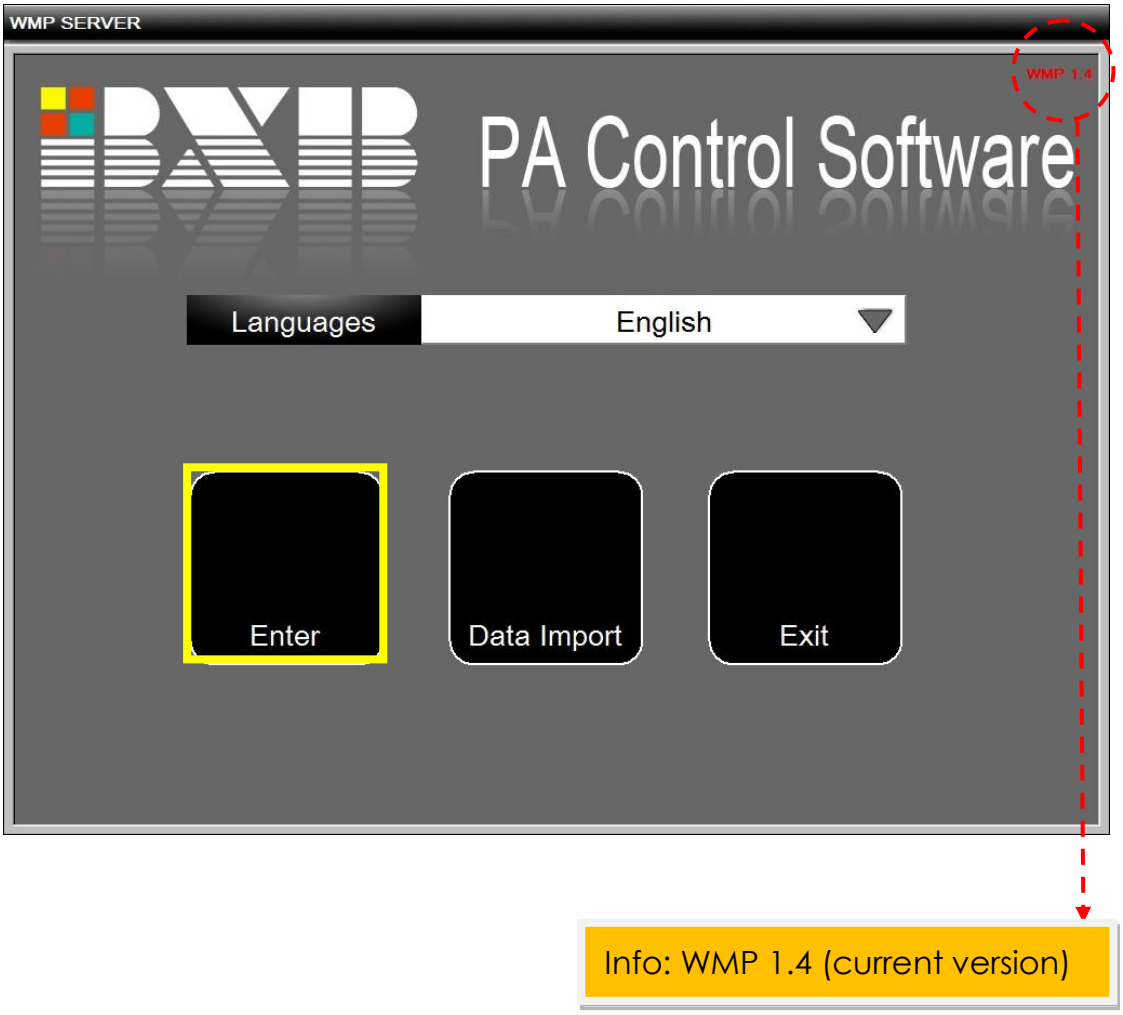
Description of WSC-SERVER

Language：Traditional Chinese, English, Korean

Enter：to start using PA Control Software

Data Import：import edited file

Exit：exit PA Control Software



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Chinese (Traditional) user interface:



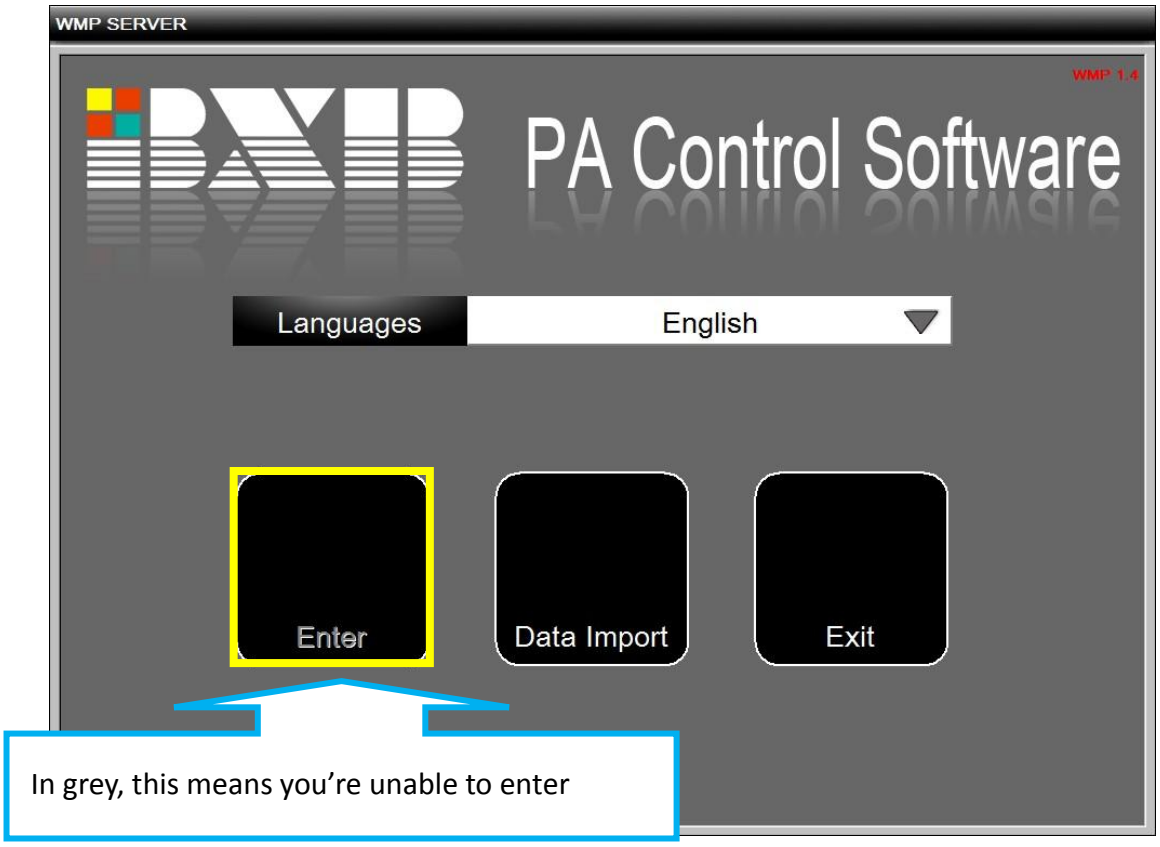
Korean user interface:



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Trouble shooting ?

In following screen appears, please make sure you've turn on WMP-2100 and the connection between PC and WMP-2100 via RS-232 cable.

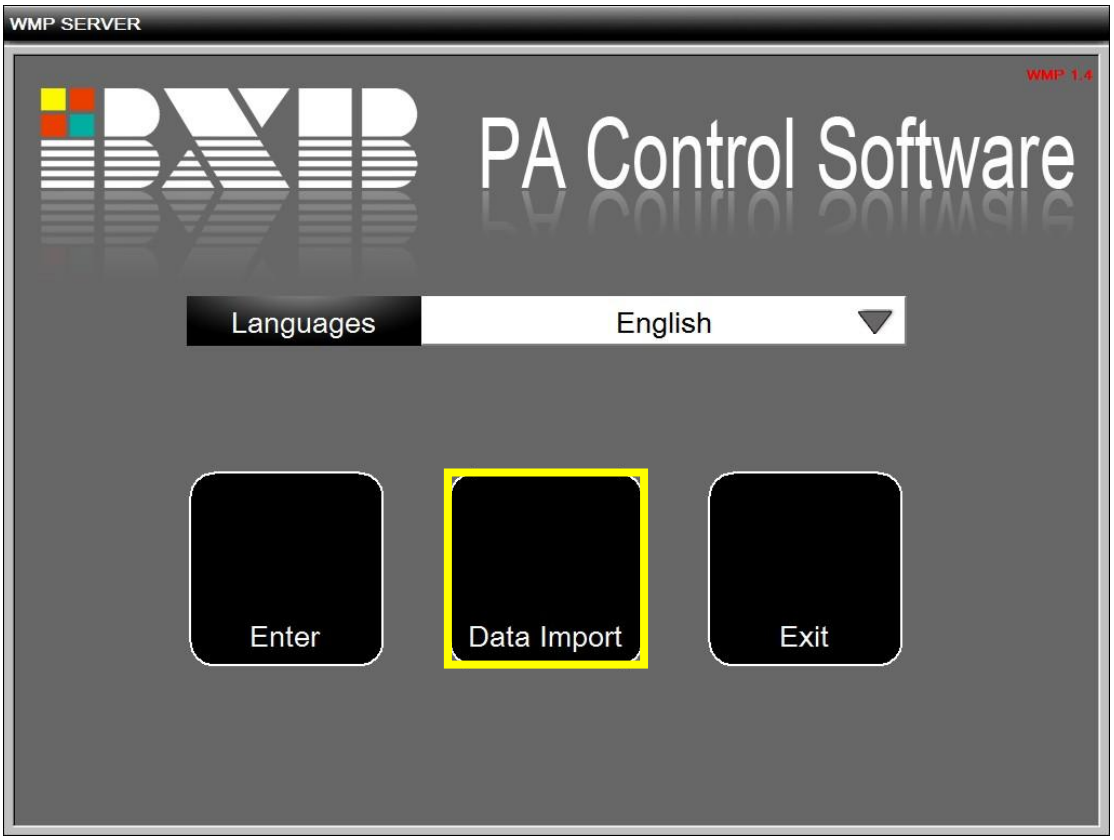


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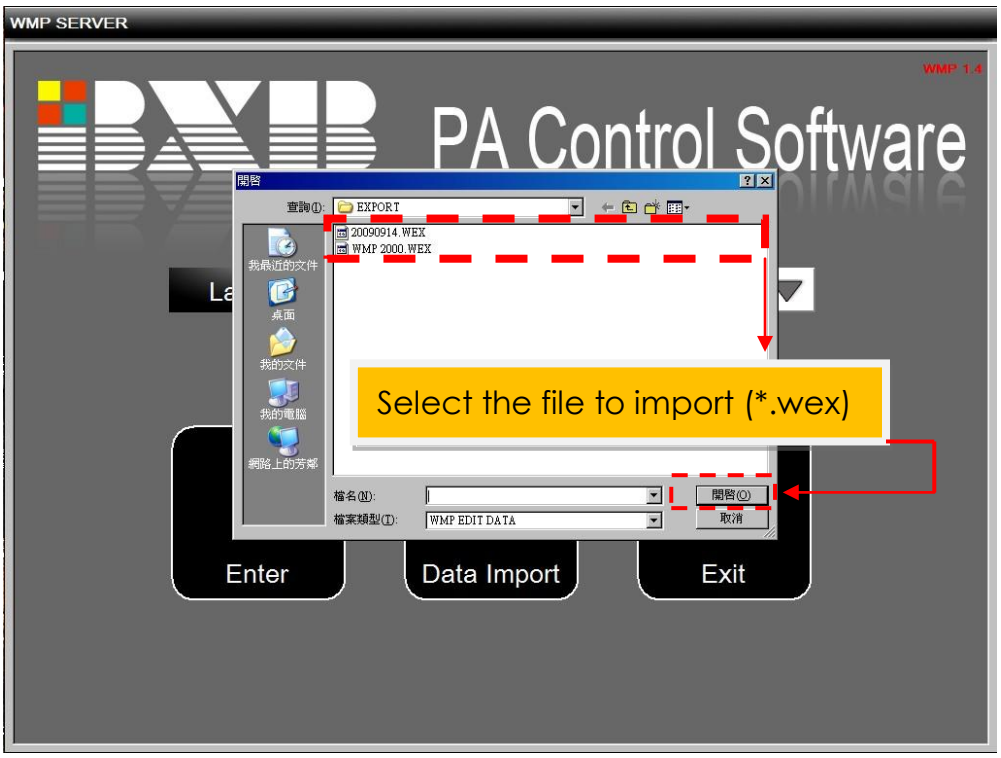
Data Import

Video

Data Import：Import edited data from Edit.



Click Data Import, please select *.WEX file to import.

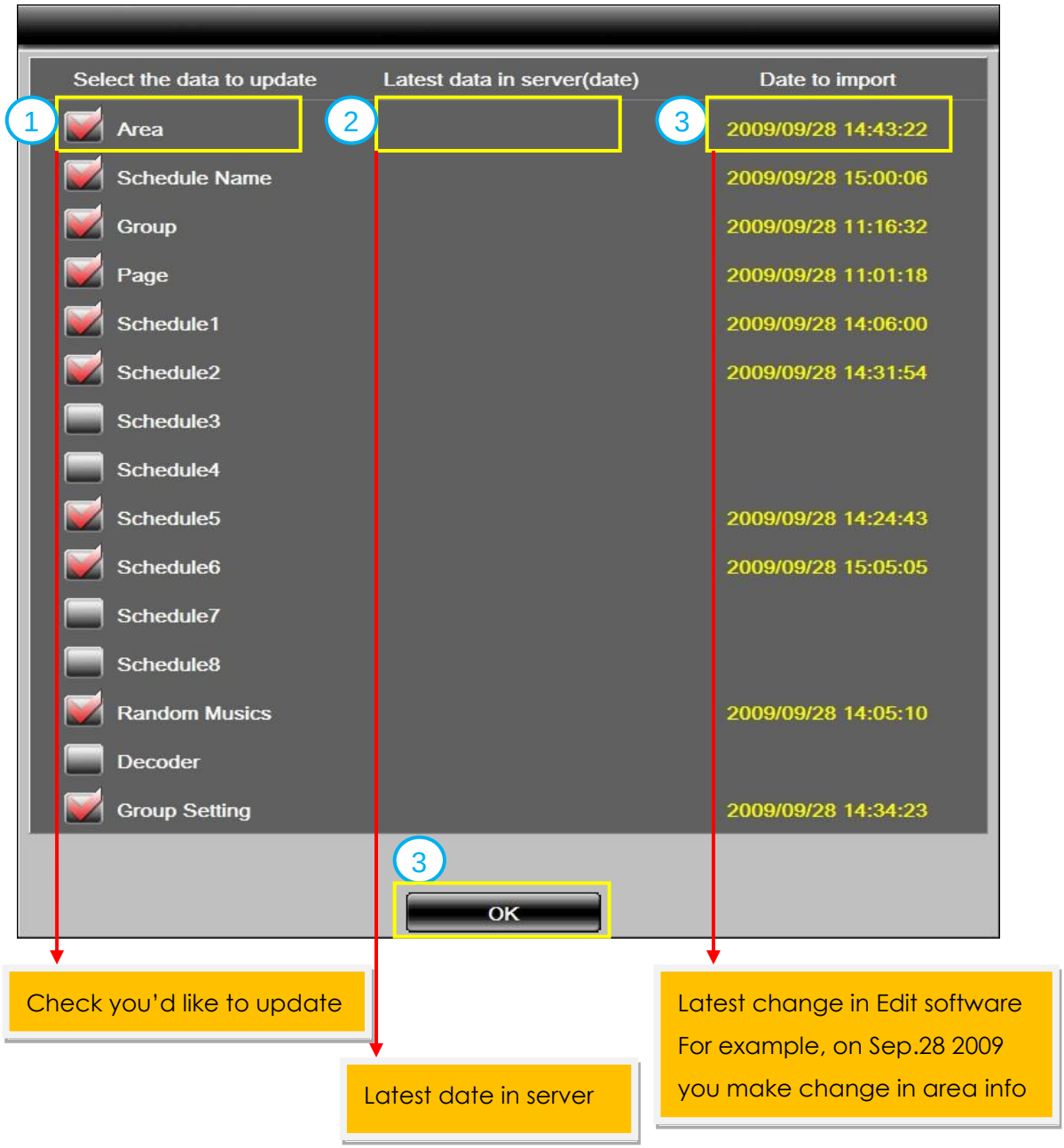


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Data Import\update option

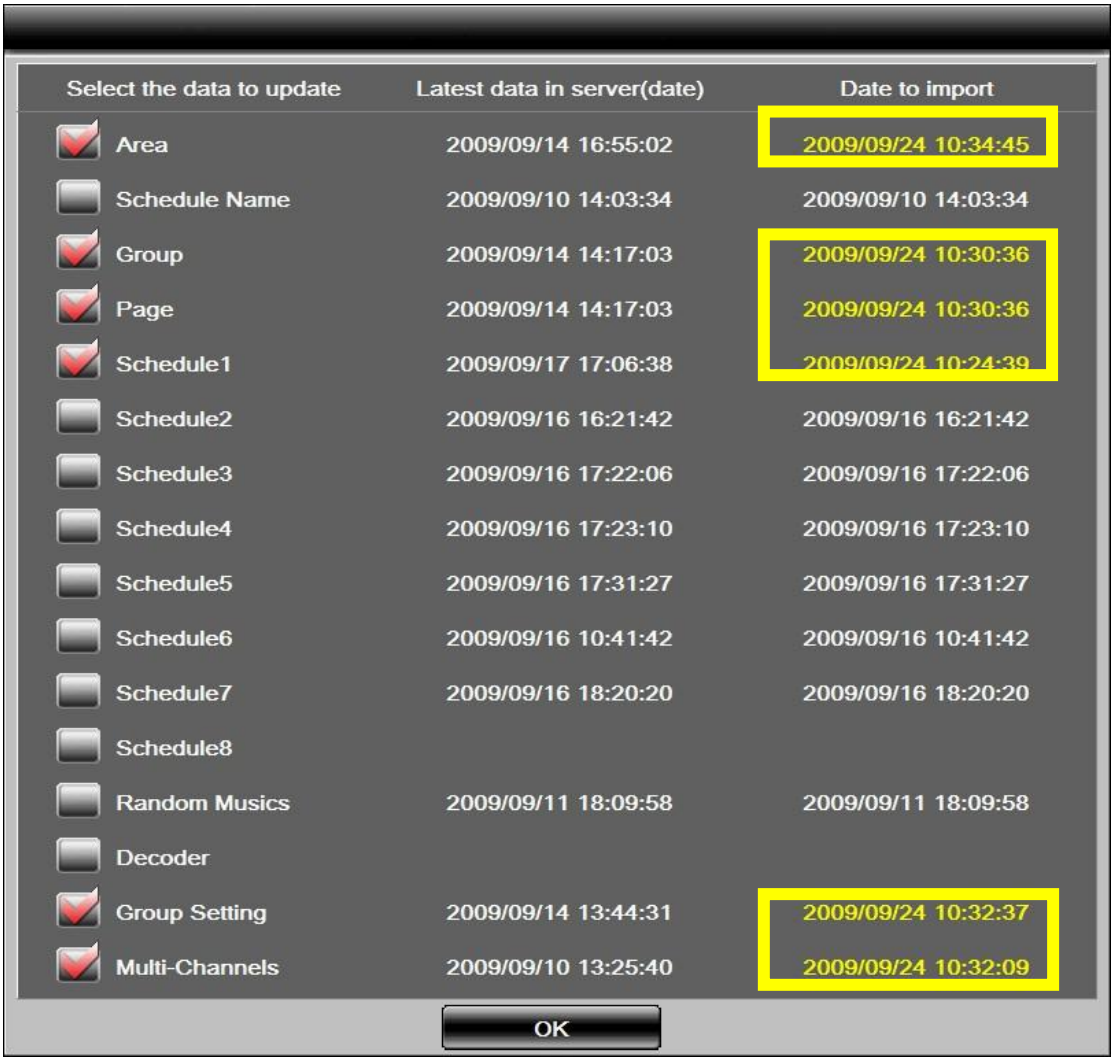
1. Select the data to update：Including area, schedule name, group, page, schedule 1-8, random music, decoder, group setting and multi-channels.
2. Latest data in server (date)：The newest update date.
3. Date to import：date in Edit software. If the imported data is newer than those in server, the date is in yellow. If there is no change, the date is in white. Video

（Fig 1）



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If there are any change, date info will be highlighted. Please refer to following picture. PA Control Software automatically detects for your convenience. You do not need to update all data again. Simply check which parts you'd like to update.



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Main Screen

Video

Your screen may differ than following example.



1. Page Info
2. Switch pages
3. Link to official website: www.BXB.tw
4. Real time Play：instant play
5. Schedule Time Control：info of 8 set music timers
6. Configuration：Timer Clock, Tel Broadcast, System Volume, Pre-Warm Up Time, System Scan, Change Password, Express Play, Prelude, and IP Setting
7. Trigger Event: Emergent call back; Security
8. Current time and date

Functions Control Video

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Timer Trigger：during broadcasting, icon animates

Tel. Broadcast：as telephone broadcasting, icon animates

All Zone Trigger：external connector to trigger

Group 8 Trigger：when 8th group is enabled, icon animates

N.O./N.C. Trigger：when either one of them is activated; icon animates

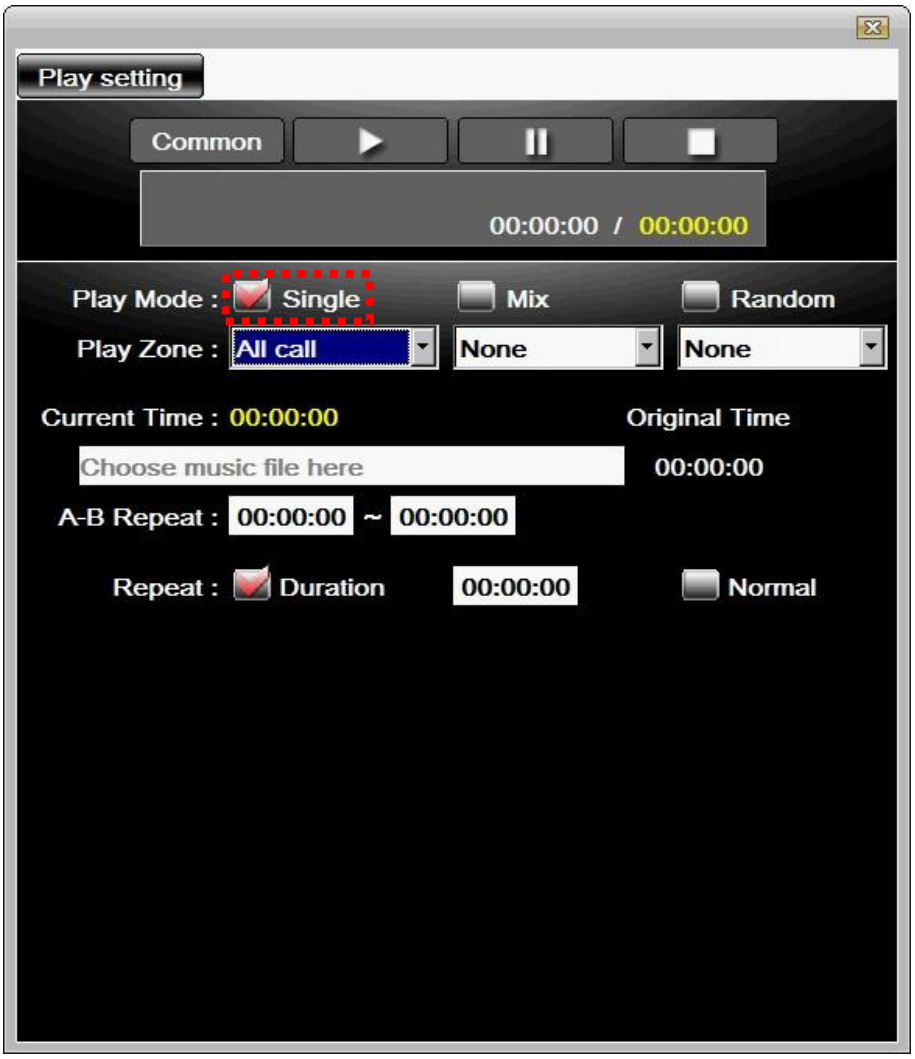
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1.1 Real-time Play

Video

Play setting：Instant playing





Play mode：Single, Mix, Random playing

Play zone: All Call, Group 1-24, None

Current Time：Length of current length

Original Time：Length of selected file

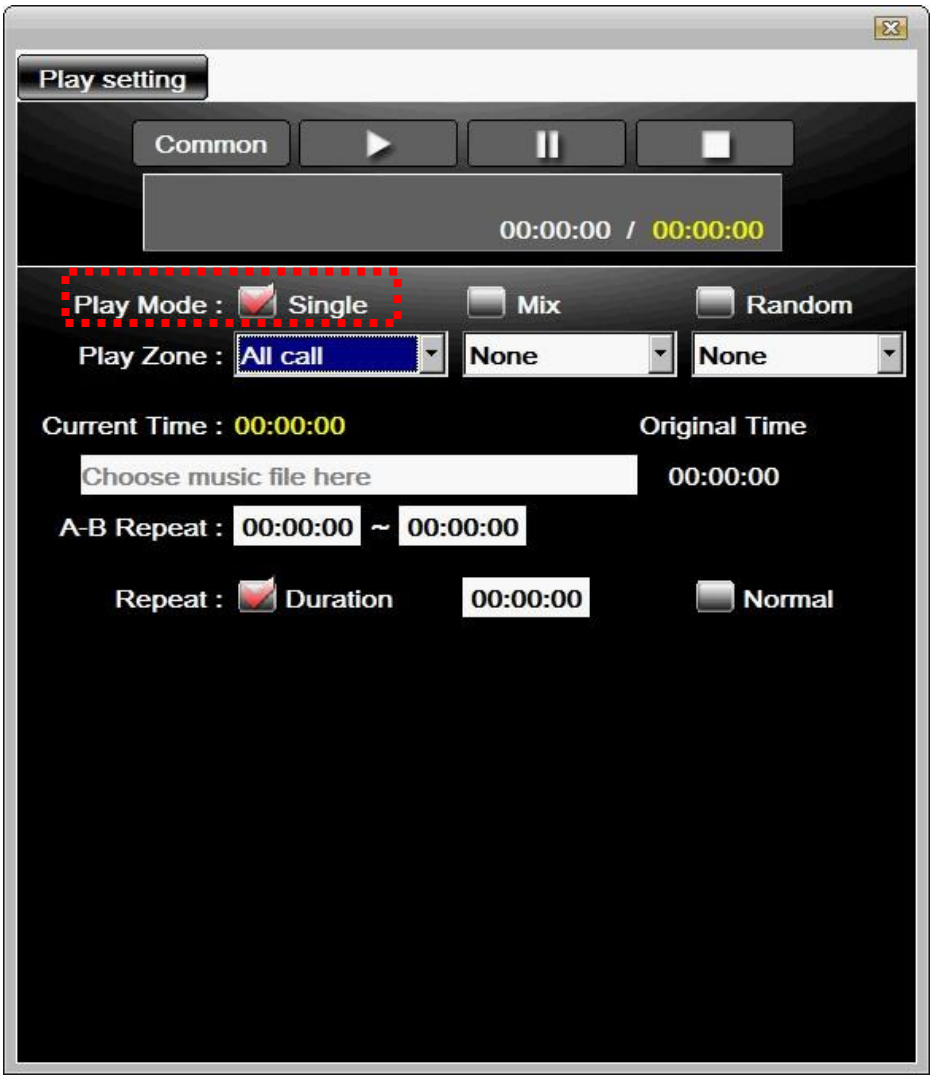
A-B Repeat：Specify period to be played

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1.1.1 Play Mode/Single

Single: Play single file

Play Zone：None, Group 1-24, All Call

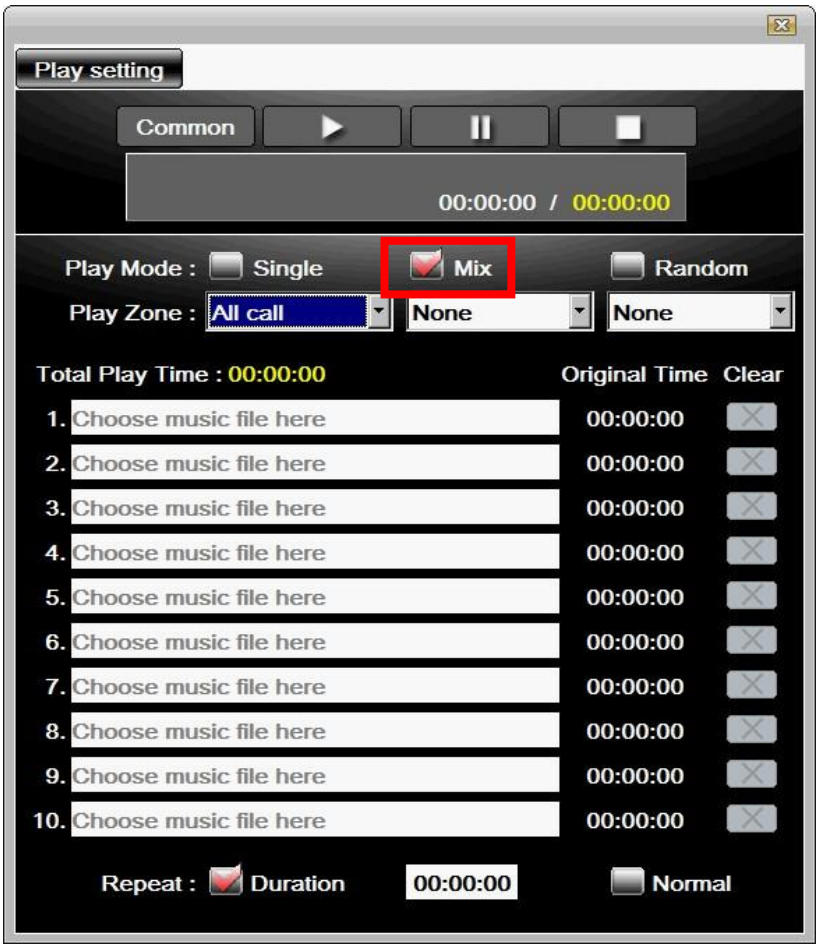


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1.1.2 Play Mode/Mix

Mix：10 files to be played

Play Zone：None, Group 1-24, All Call



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Example of Mix Mode:

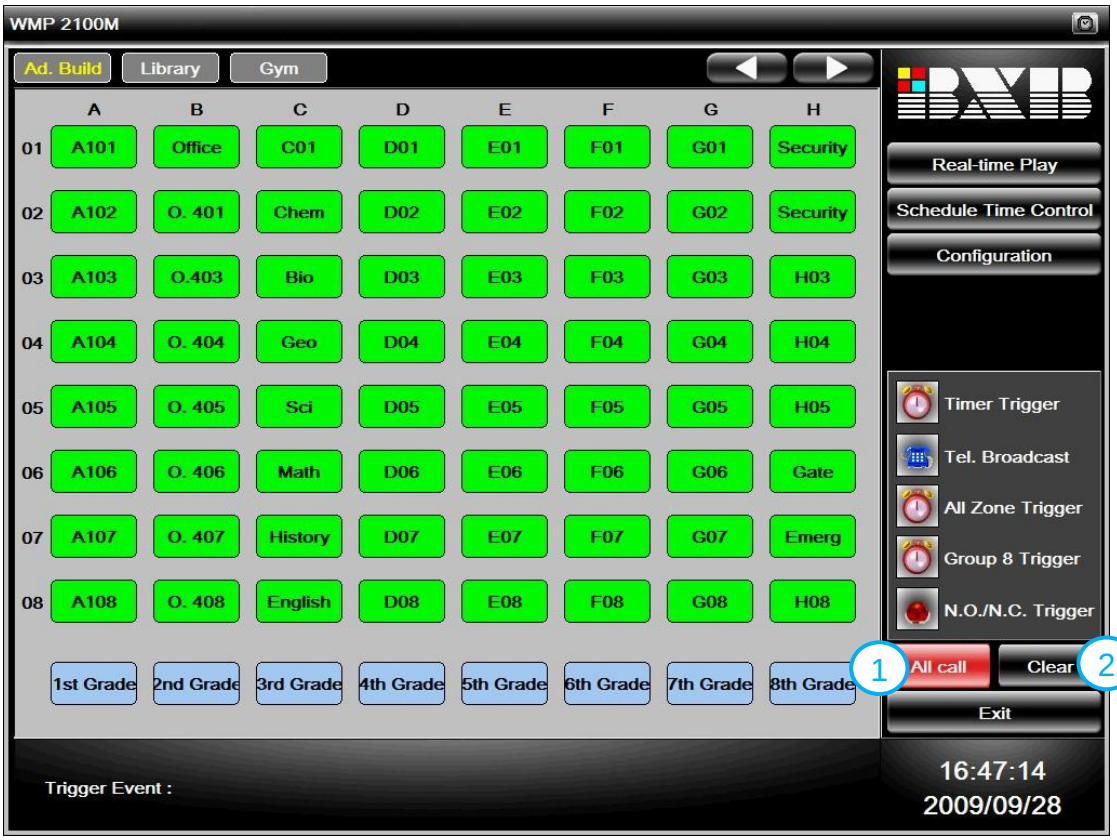


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1.2 All Call Broadcasting

Video

1. Pressing All Call button, all zones are in green.
2. After All Call, pressing Clear to finish.

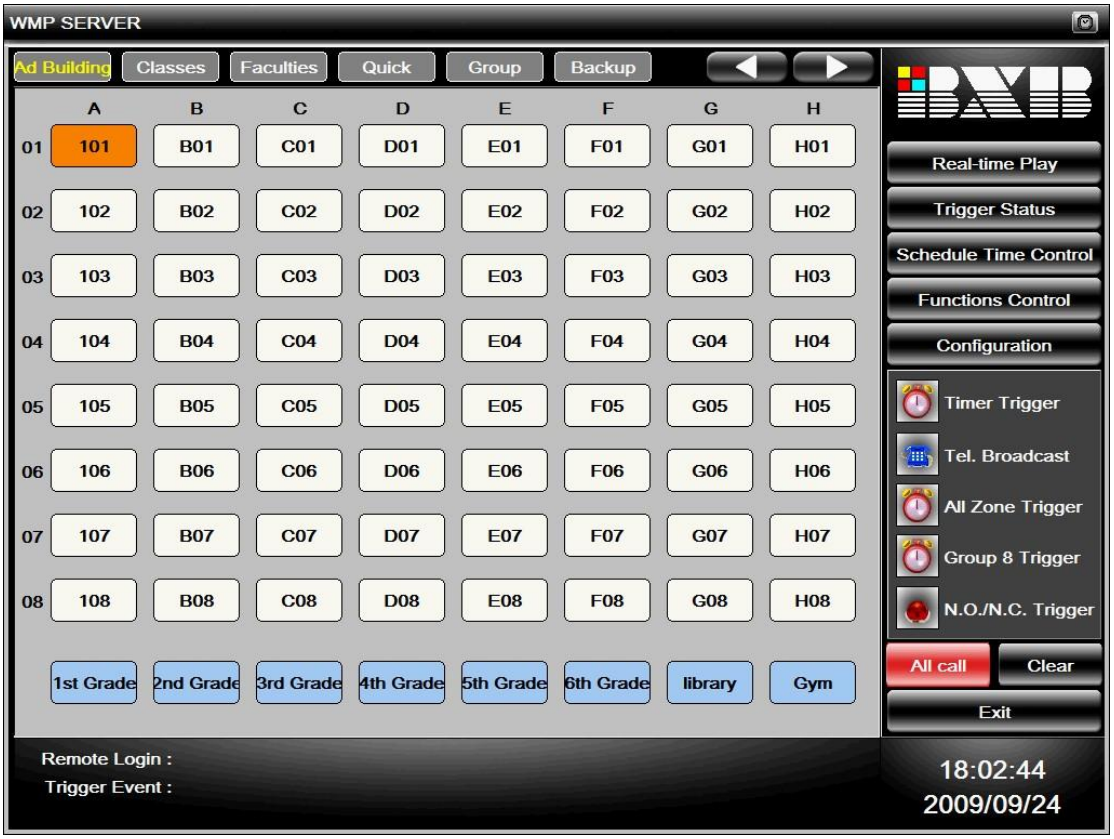


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1.3 Single Zone Broadcasting

Video

1. Click any zone(s)/group(s) you'd like to broadcast
2. Selected zones or groups (in orange)
3. Ready to broadcast
4. Press All Clear after finish broadcasting (selected zones/groups remain in white)



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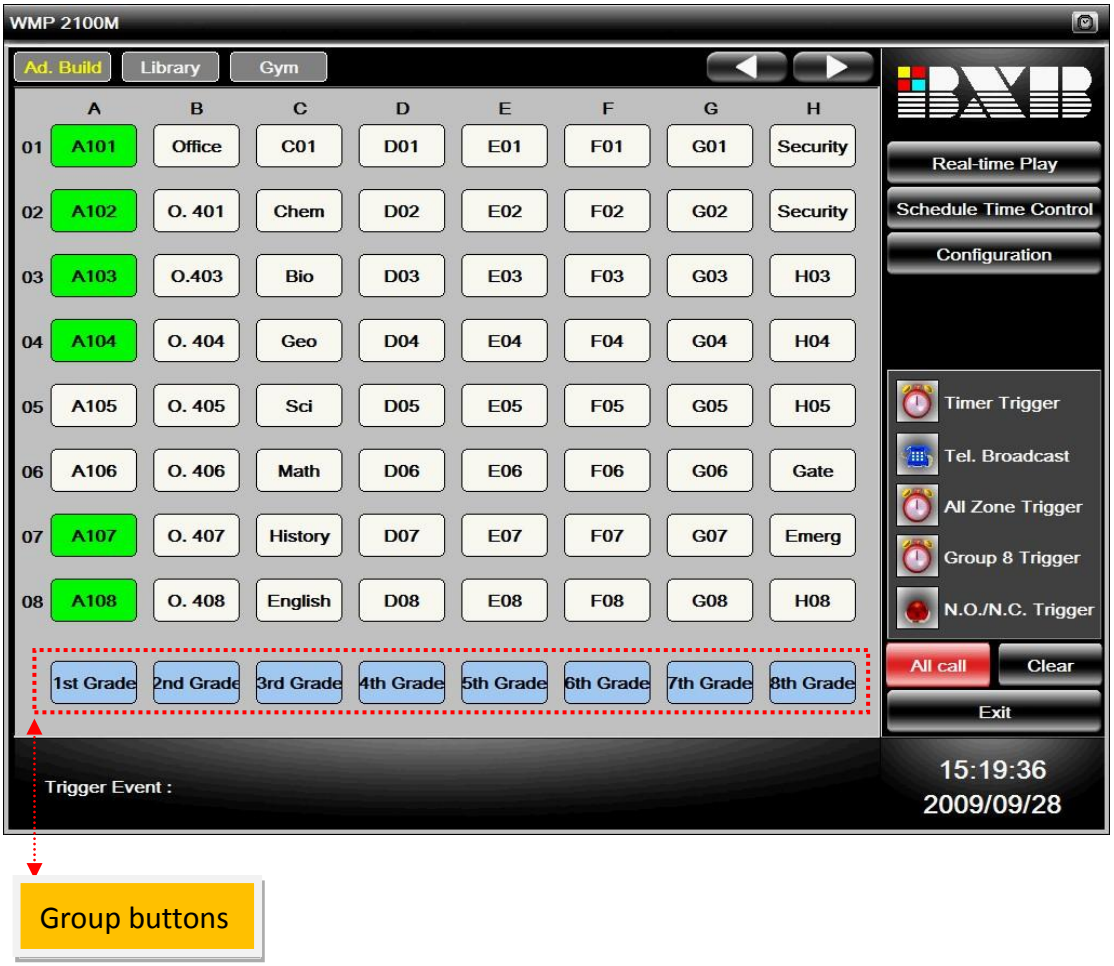
1.3 Group Broadcasting

Video

You can set desired group in EDIT software or by WMP-2100

Instruction for group broadcasting

1. Press Group button (Blue button)
2. selected groups are in green
3. Start broadcasting
4. Press All Clear to complete

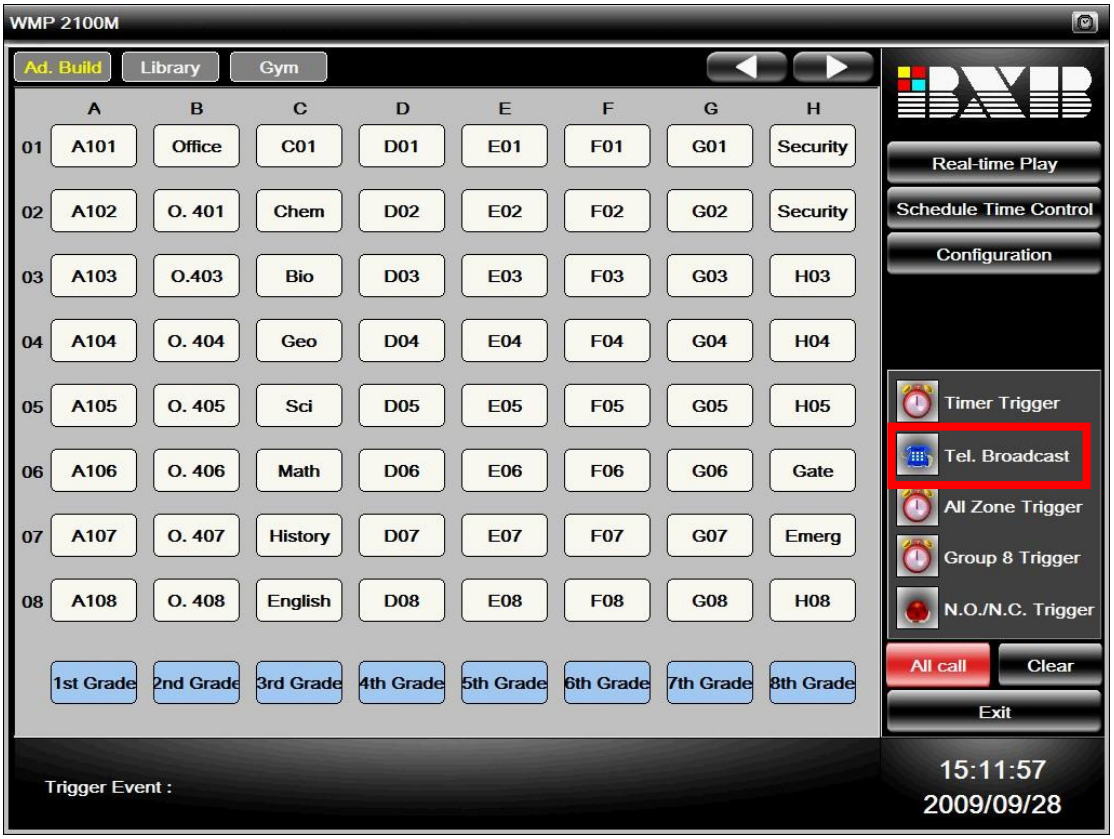


Group buttons

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1.4 Telephone Broadcasting

When telephone broadcasting is in use, telephone icon animates to notify you.



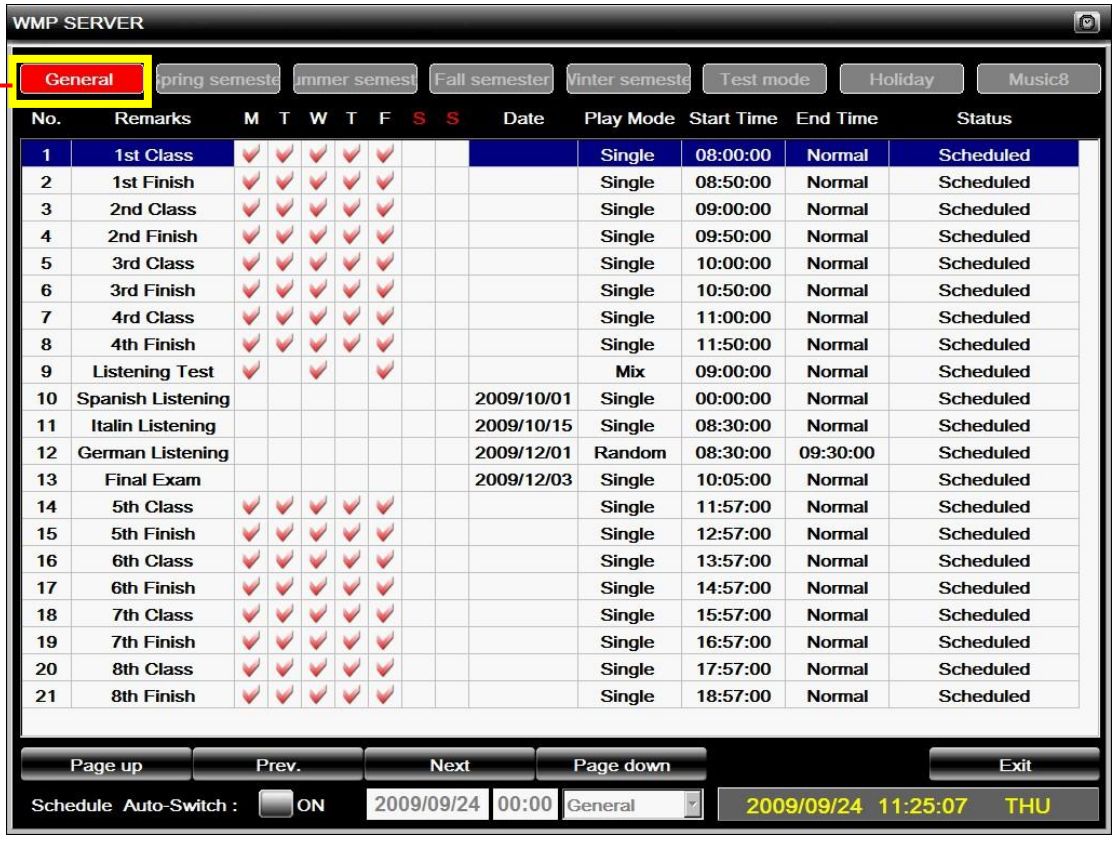
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2. Schedule control

Video

Schedule control：8 default schedule control.

In WMP-SERVER, you are unable to make any change. You can only edit in WMP-EDIT.

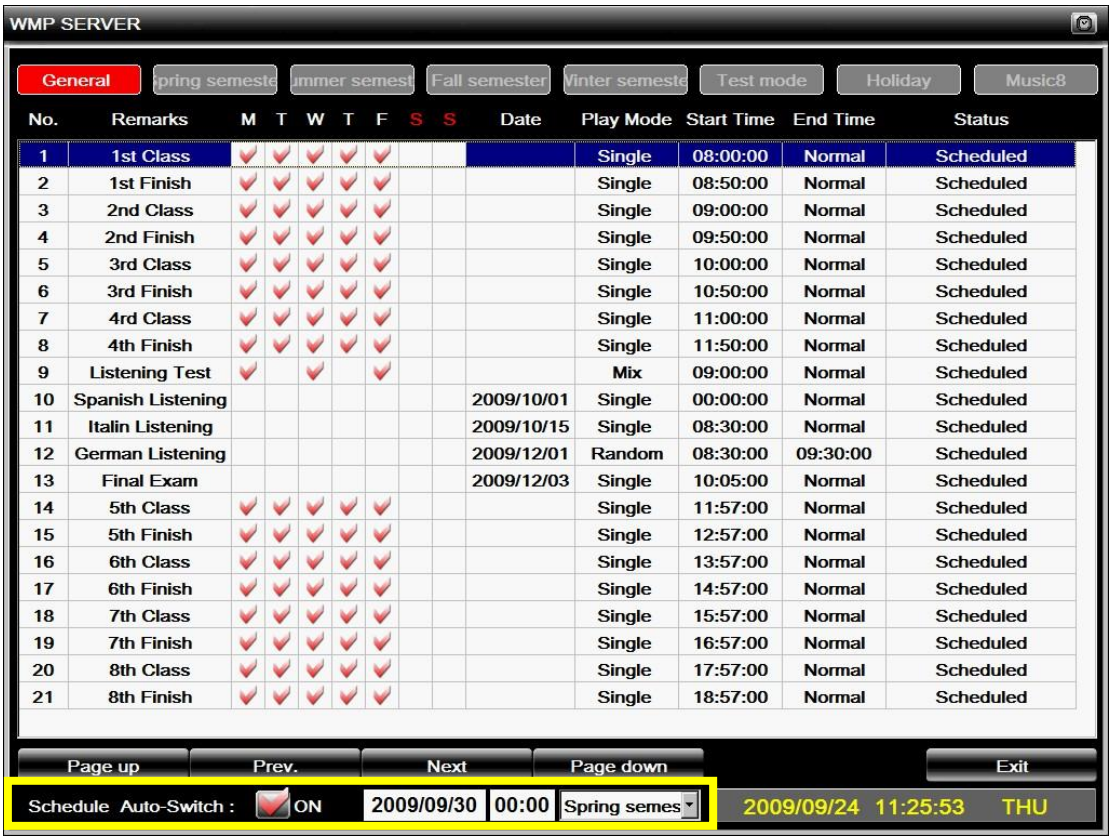


Run a schedule at once (red background); others are in grey.

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2.1 Schedule Auto Switch

After the time and date is set, schedule will be automatically switched to another schedule.
In following screen, on Sep. 30 2009 will automatically switch to “Spring Semester” schedule and vice versa.



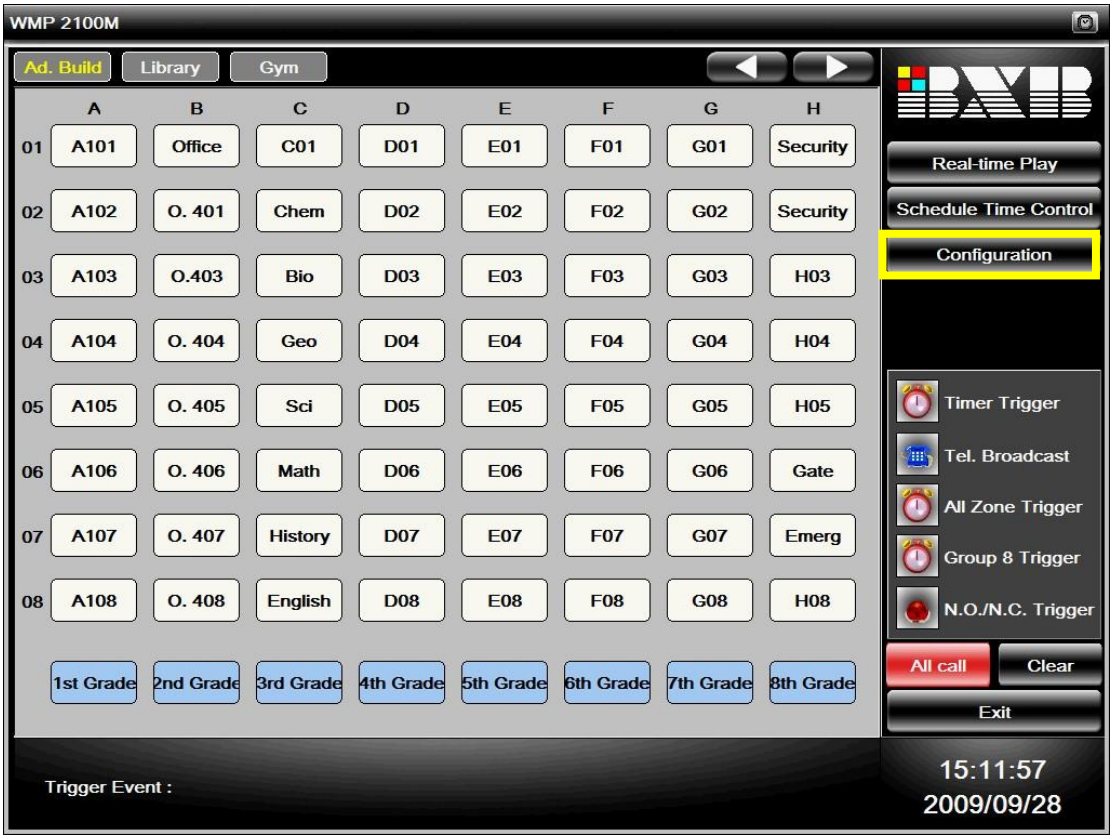
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3. Configuration

Configuration：see next page fro detail

Video

default password: 00000 （5 zero）



If password is forgotten, you have to uninstall PA Control Software to access again.

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Page 1



Timer clock: enable/ disable timer clock

Tel. Broadcast: enable/ disable priority for phone broadcasting.

Normal:

Tel. Priority Broadcast: During broadcasting, music will be silent and continue when finish broadcasting.

System Volume Adjustment: set appropriate volume

Page 2



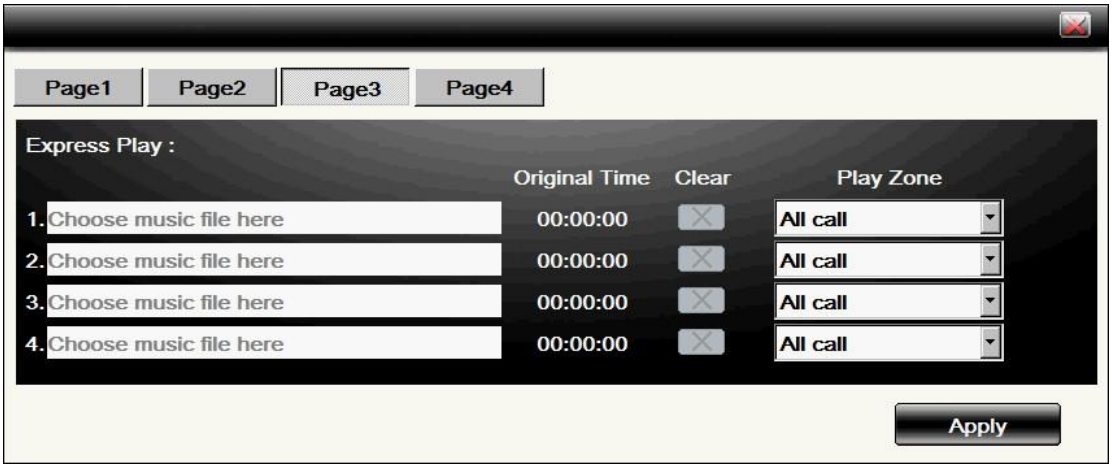
Pre-Warm Up Timer: if there are external equipment such as DVD player, radio, and radio…etc, it's highly recommend to set appropriate time to power up initially.

System Scan: automatically scan the functionality of 192 remote decoder.

Change Password: enter preferred 5 digits number as new password.

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Page 3

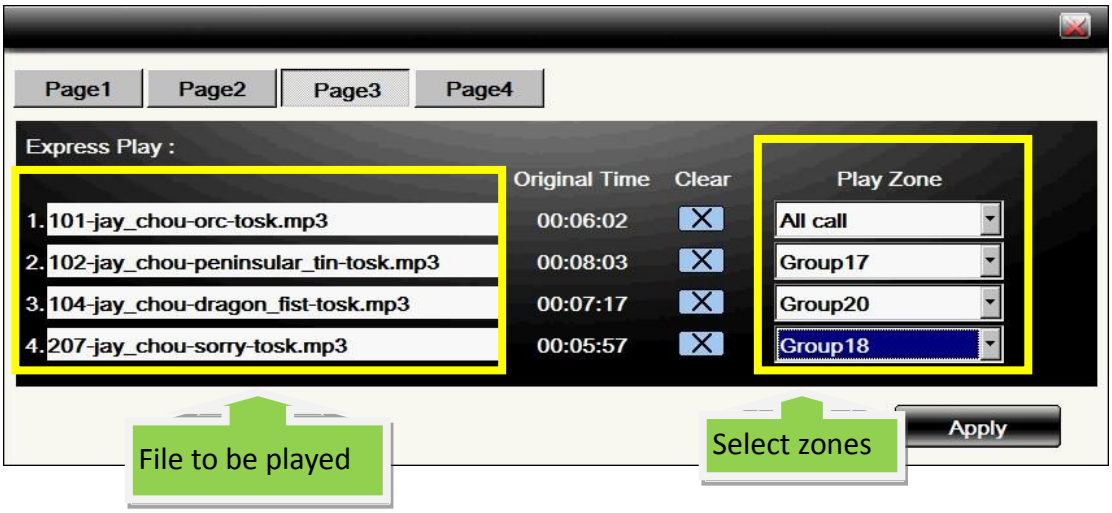


Express Play: 4 buttons; integrate with BXB Interface (WAV, MP 3, MIDI, and WMA are supported)

Play Zone: select group among 1 to 24 or All Call

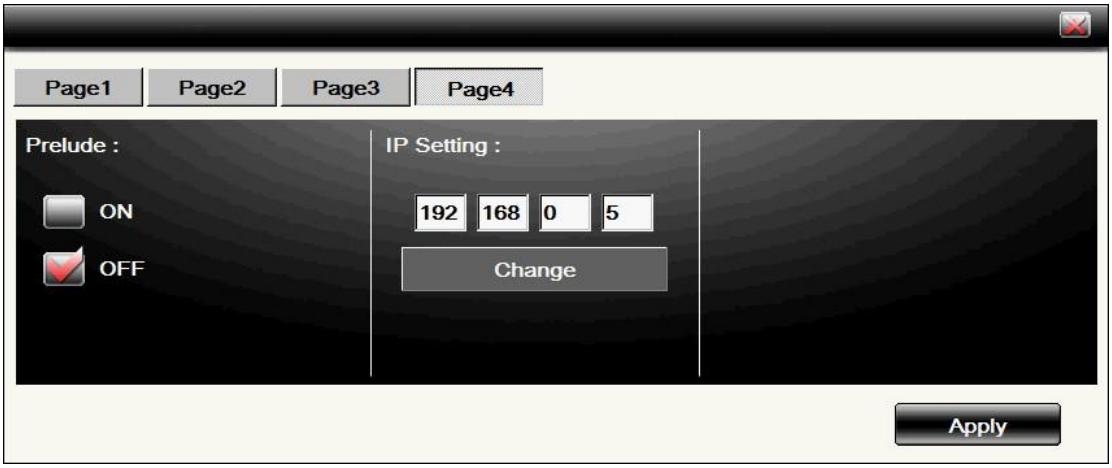
Examples:

Load desired file to be played firstly and select preferred zones.



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Page 4



Prelude: on/off of prelude

IP Setting: information of current IP address

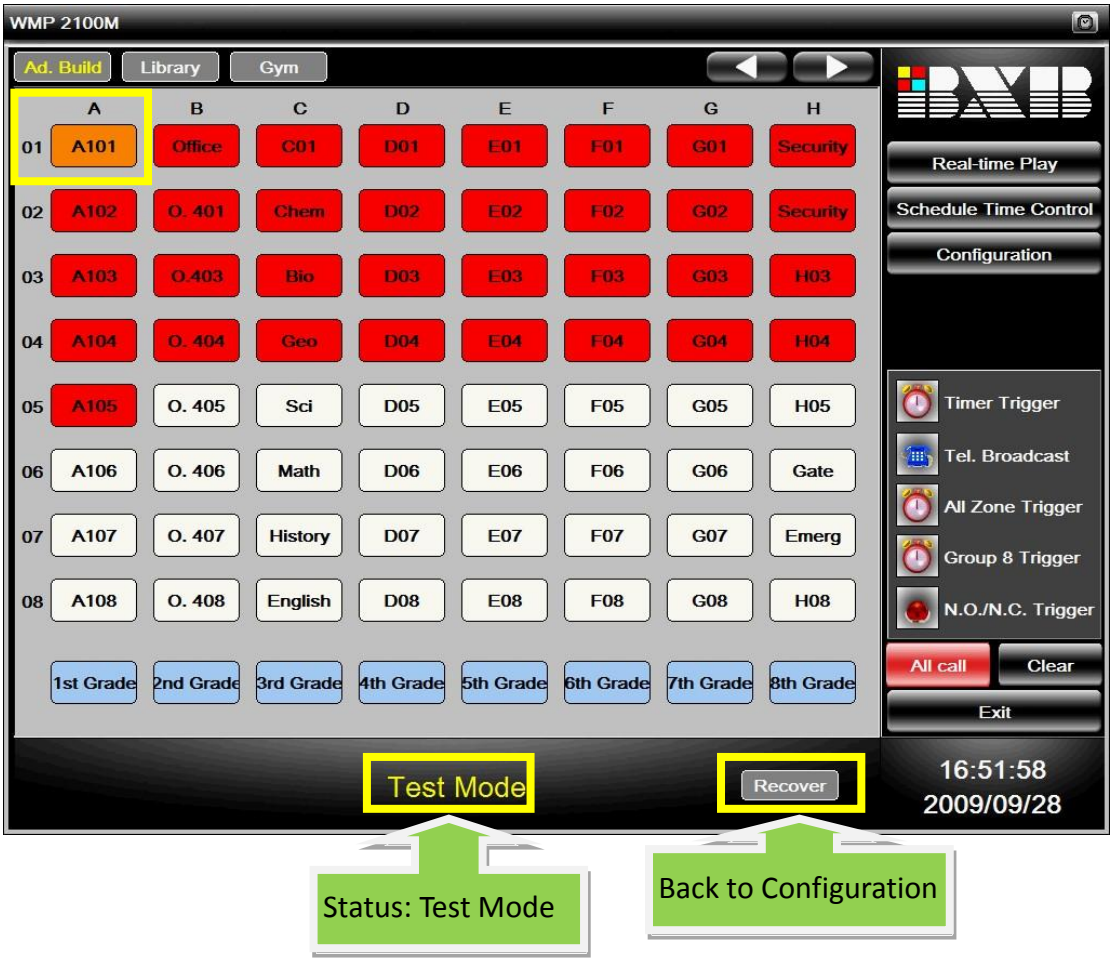
System Scan

When system scan is enabled, total 192 remote decoders will be automatically inspected.

Orange: function correctly

Red: nor malfunction or not-installed

White: unchecked



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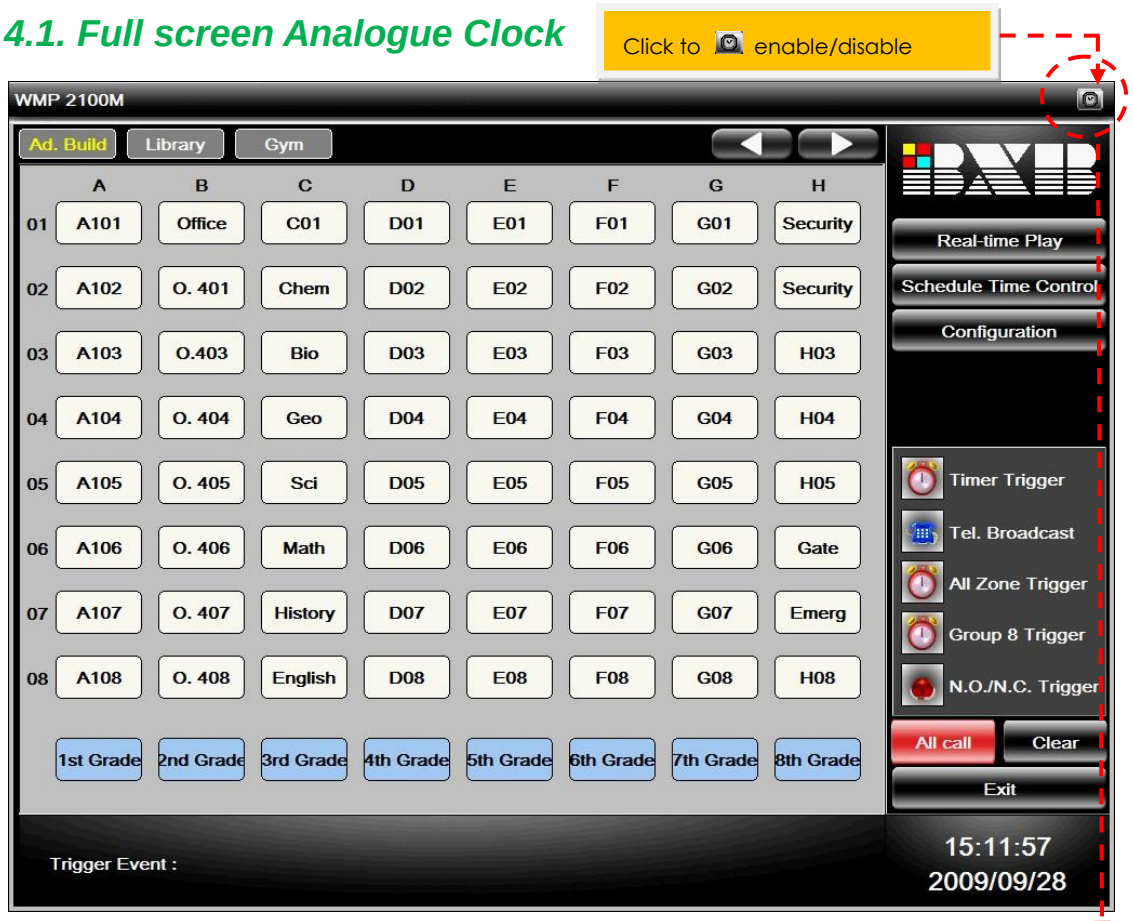
4. Digital Clock

In the right lower corer, information for current date and time. Furthermore, you can click to enlarge.



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4.1. Full screen Analogue Clock



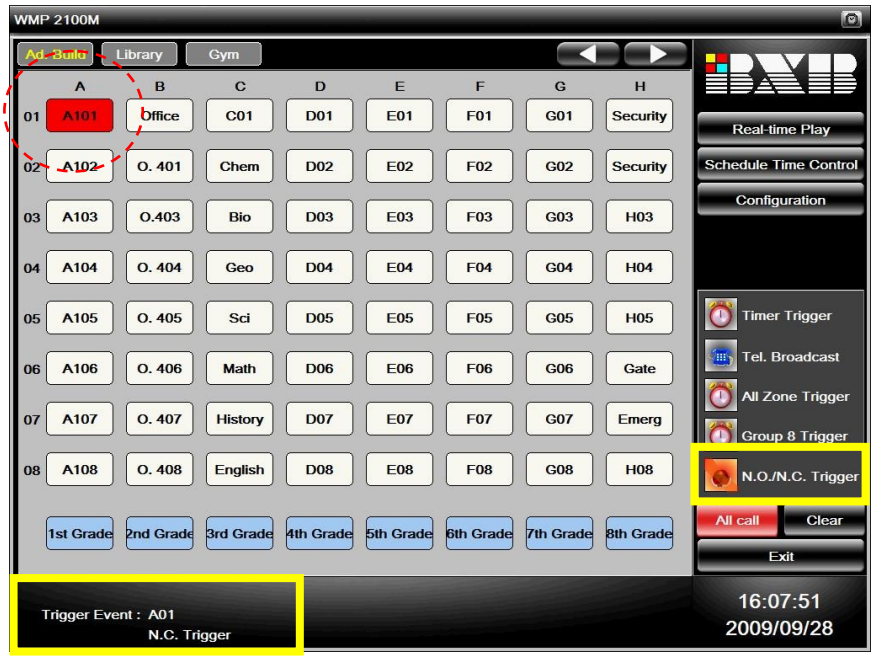


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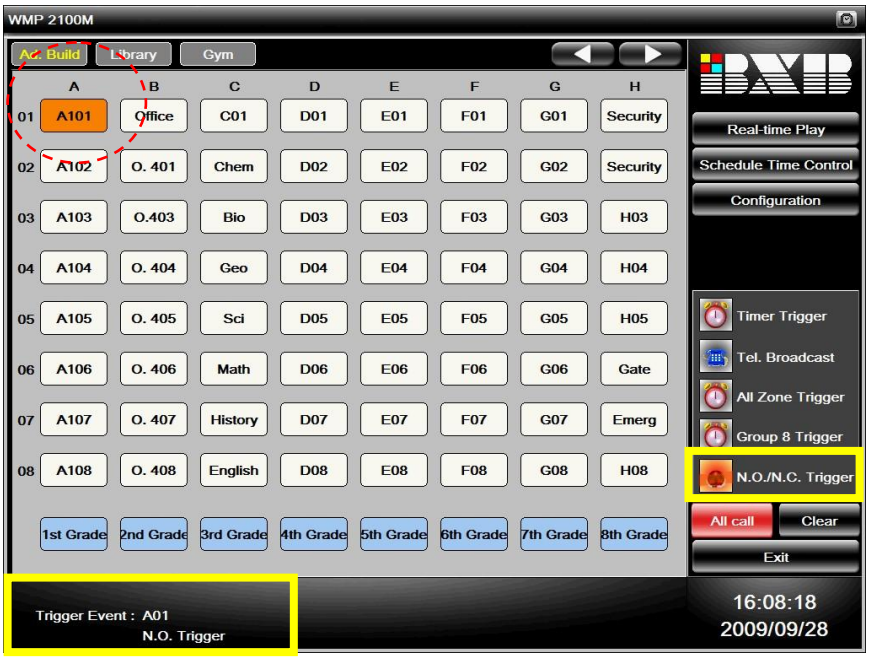
5. N.C. Trigger ：

Video

N.C. is triggered: Red



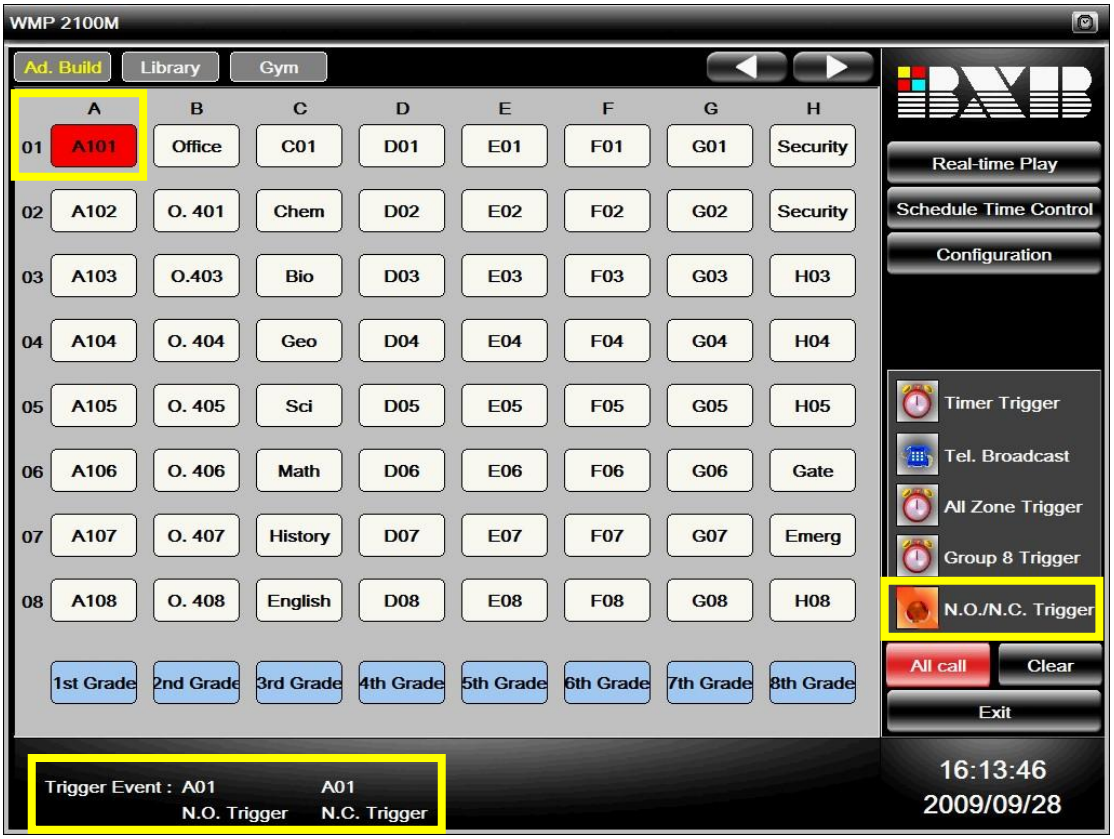
N.C. is triggered: Orange



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6. N.O. and N.C. are triggered simultaneously

If both NO and NC are triggered at same time, NC signal will be shown in priority.



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Technical Support

- Refer to the manual for instructions.
- Before contacting us for technical support (by e-mail or phone), please prepare following information:
  - ✓ Product name& version number
  - ✓ Windows version
  - ✓ Hardware devices and their specifications
  - ✓ Warning messages on BXB products (you may describe it in words or captured screens)
  - ✓ Detailed descriptions of problems

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