Accompanist

Electric Score Reader

User Manual

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Copyright

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Warranty

Before starting to use Accompanist, please read this manual carefully and make sure you understand the contents. If you have questions, please contact with your local distributer, or you contact with us directly. Please also make sure you follow the manual instructions to use Accompanist, that will help to avoid the unnecessary data lose or hardware damage.

For hardware and data protection, please do not use Accompanist under the following situations or environments:

- Avoid to use Accompanist under high temperature and low temperature environment..

- Avoid to let Accompanist exposed under high strength sunlight too long.

- Avoid to use Accompanist under high humidity environment.

- Avoid to use Accompanist under high electromagnetic fields.

- Don't open the plastic case arbitrarily, that probably will damage Accompanist and make you lose the warranty.

- Don't use any chemical cleaner to clean Accompanist, just use dry cloth or cotton-like materials.

Moreover, please back up your valuable data in the SD Card periodically, in any cases if you lose your data, we are unable to restore your data.

Introduction

Accompanist electric score reader is designed for those musicians, players and students who are suffered by carrying tons of heavy traditional paper scores. You can put scores into SD card by digital formats, then manage and read your scores by Accompanist. Depends on the SD card volume size, you can carry hundreds and even thousands of scores, avoiding the pains that you have ever felt with the traditional paper scores.

Through the careful UI design, you can organize your digital scores by score names, by music styles, by composers, or by compilations, then you can just find your scores in seconds by these selection options. Accompanist also supports annotations, this function helps you to put the annotations, that help you to play well, on anyplace you want.

Accompanist supports WiFi, with the basic built-in browser, you can navigate any website you want, and then download the specified digital score files into your SD card directly. Based on the WiFi function, several Accompanist can join a virtual group (classroom) together, a master Accompanist then can control the score navigation of the slave Accompanist, this function is particularly useful for class teaching.

The Accompanist software is easily to be upgraded, any time you find a

new release from the website or from your distributer, we can just upgrade the system smoothly and easily.

Features & Specifications

- CPU: OMAP3530 (ARM) 600MHz

- Memory: 256MB

- Flash ROM: 256MB

- MusicXML digital score format

- PNG/JPG/GIF/BMP image formats

- Stereo Audio Out

- Microphone In

- USB A

- USB Mini B

- 802.11b/g/n WiFi

- Dimension: 28mm(L) x 231mm(W) x 344mm(H)

- Weight: 1.56Kg

- Foot Pedal (Optional)

- Stand (Optional)

Startup, Shutdown, and Setting

Startup and Shutdown

Clicking the power button on the bottom of the panel to power on Accompanist, after seconds of initialization, you will see the home screen, now Accompanist is ready for you.

To power off Accompanist, just Clicking the power icon at the right-bottom, and you will see a confirmation dialog, then you can decide to power off or go back to the system.

Clicking the physical power button on the front panel for 5 seconds, you can also get the power off confirmation dialog.

Calibration

In the first time to use Accompanist, please calibrate the touch panel to adjust the precision. The steps are:

1. After Clicking the power button, and when you see the "Loading", Clicking the power button again to open the calibration function.

2. There are 2 steps calibration. Step 1 is a 5-points calibration, you can roughly calibrate the screen in this step. Step 2 is a 20-points

Home Screen

calibration, it allows you to calibrate with more data in 4 sections of the screen. You can decide to use only step 1 or both step 1 and step 2, and please just follow the instructions showed in the screens, the entire calibration is pretty easy.

3. In most of the time, you only need to do the calibration for just once, the calibration data will be saved even powering off. If you consider the touch panel is not in its precise position, you may calibrate the touch panel again.

WiFi

Accompanist has built-in 802.11 wireless network function. To access wireless network, you need to do the following setting:

1. Clicking setting button ( ) in the home screen, then in the dialog box, Clicking ( ) button to open the wireless network setting dialog.

2. System will scan the available access points and display them as list. You can choose one access point, and then Clicking the connect button to connect to the wireless network.

3. If you successfully connect to the wireless network, Accompanist will remember it and reconnect to that network when you power on Accompanist nest time.
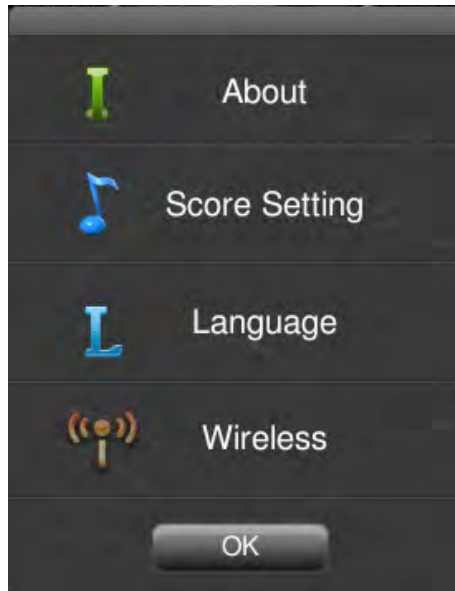
WiFi Setting

Language

Currently, Accompanist supports English, Traditional Chinese, and Simplified Chinese. You can choose which language to be used:

1. Clicking setting button in the home screen, the in the dialog box, Clicking (**L**) button to get into language setting.

2. Choose the language you want.

e-Scores

When you want to read e-scores, Clicking ( ) button on the home screen, then Accompanist will lead you to the score function.

There are 4 views that you can use to select the scores you want: 1. by score names, 2. by composers, 3. by styles, 4. by compilations. You can consider these 4 views as a score classification that help you easily to find and open the score.

Please note that you must use an application called ScoreMaker (in the CD) to manage these 4 views.

Using e-Scores

There are 2 major score formats: 1, MusicXML format, 2. PDF/Image format. You can distinguish them via the green XML and orange IMG icon in the left side of the score names.

MusicXML (Music Extensible Markup Language) is an open standard e-score format, many and many score applications have already supported this format, so that the MusicXML e-scores can be shared among different score applications.
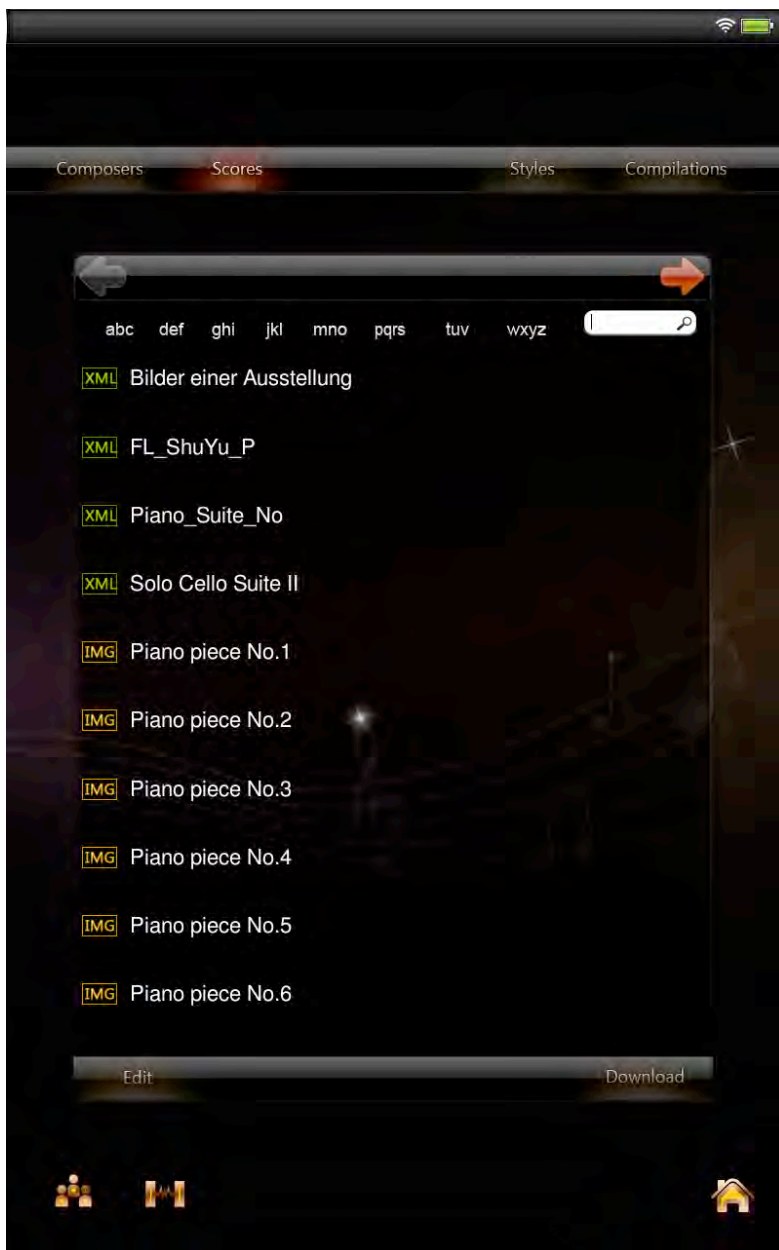
Score List View

PDF/Image format is the classic format that people are familiar with. PDF, JPG, PNG, GIF, BMP all belong to these format. This format does not support as many functions as MusicXML has, however, PDF/Image format are very popular, many free scores you can find exist in this format.

Because of the native characteristic of different formats, when you open the scores, you will see different operational functions.

MusicXML Functions

When you open a MusicXML score, Accompanist detects the format and layouts the score content and relative functions as:

- : Previous page.

- : Next page.

- : Back to score list view.

- : Previous score.

- : Next score.

- : Zoom in & zoom out score view.

- : Change background texture.

MusicXML Score View

● ⌨ : Switch of performance model and edit mode.

● 🎼 : New blank score.

● 🎵 : Play score.

PDF/Image Functions

When you open a PDF/Image score, Accompanist detects the format and layouts the score content and relative functions as:

● ⬅ : Previous page.

● ➡ : Next page.

● ↩ : Back to score list view.

● ◐ : Previous score.

● ◑ : Next score.

● 🔍 : Zoom in & zoom out score view.

● 🖼 : Load annotations.

● ⌨ : Switch of performance model and edit mode.

PDF/Image Score View

● : Add text annotations.

● : Add scratching annotations.

● : Open metronome.

● : Play background media.

● : Auto turn page.

● : Record play for auto turn page.

Some of the functions behind the buttons should be easy to understand, for example, previous page, next page, back to score list view, ...etc. Please just play and experience the functions by yourself.

For some functions you need to know more, they would be: annotations, edit, record, and play.

## MusicXML In Details

Editing

Clicking the ( ) button to enter edit mode. You can see a raised up menu that supports you to edit annotations( ), notes( ), clefs
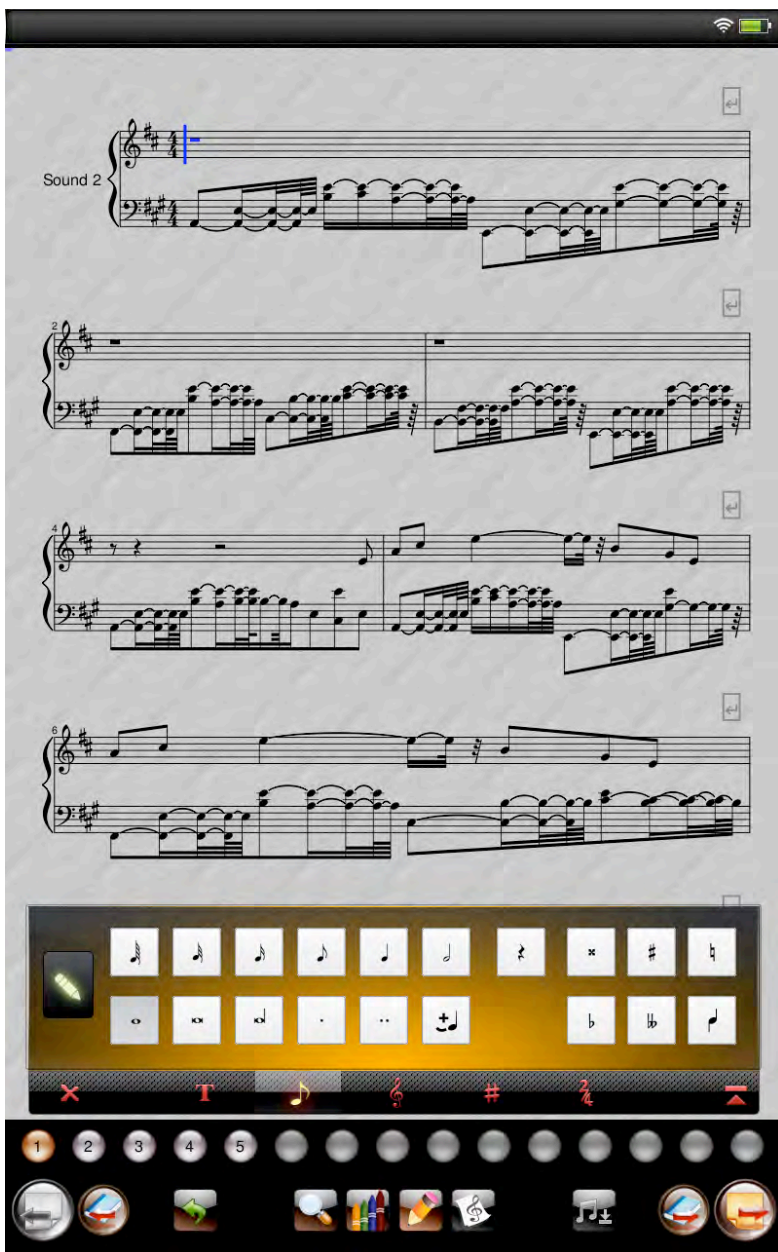
MusicXML Editing

(), key signatures(), and time signatures().

● Annotation: This allows you to edit "Title", "Subtitle", "Composer", "Poet", "Copyright", and add/delete "Remarks" on the scores. When you want to put an annotation, clicking a note and clicking "Add Remarks", then you can add a remark on it. To delete the remark, simply clicking the remark and delete it by clicking the "Del Remarks" button.
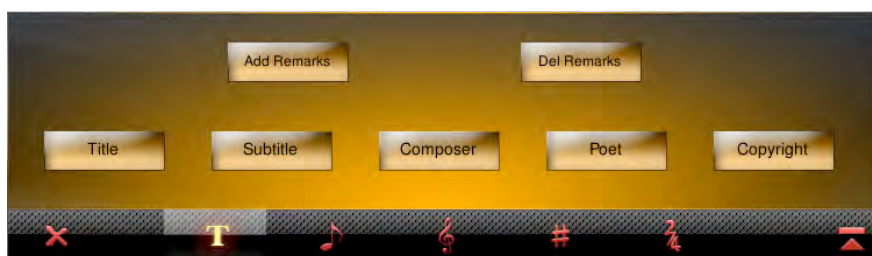

● Note: There are "insertion" and "moving" modes. Click() button to become insertion mode, then clicking a position on the score, a chosen note will be inserted on that position. To go back to moving mode, clicking the () button again, and you drag the note to other position.
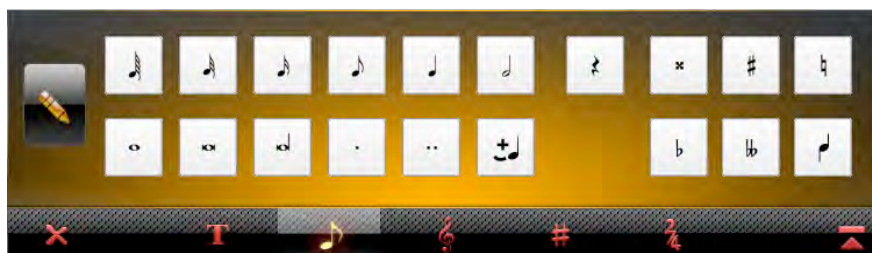
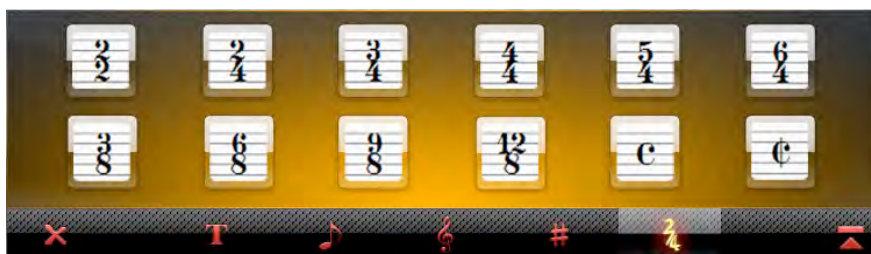● Clef: Click to choose the clef of the score, and click the clef panel to change the clef.

● Key Signature: Click to choose the key of the score, and click the key panel to change the key.
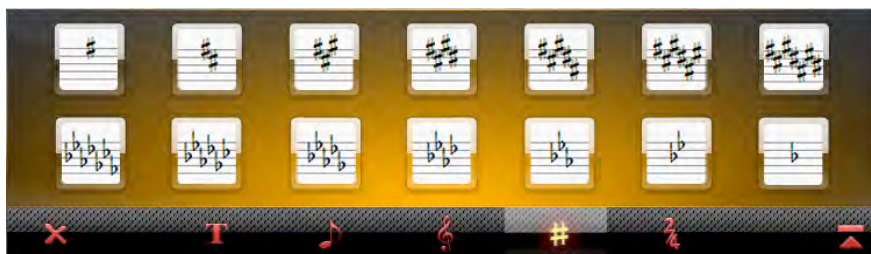
● Time Signature: Click to choose the time signature of the score, and click the time signature panel to change.

Playing

You can play the MusicXML score, just click () button to raise up the play panel, and click () button to start play. You can also tune the sound parameters. Click the () button to hide the play panel.
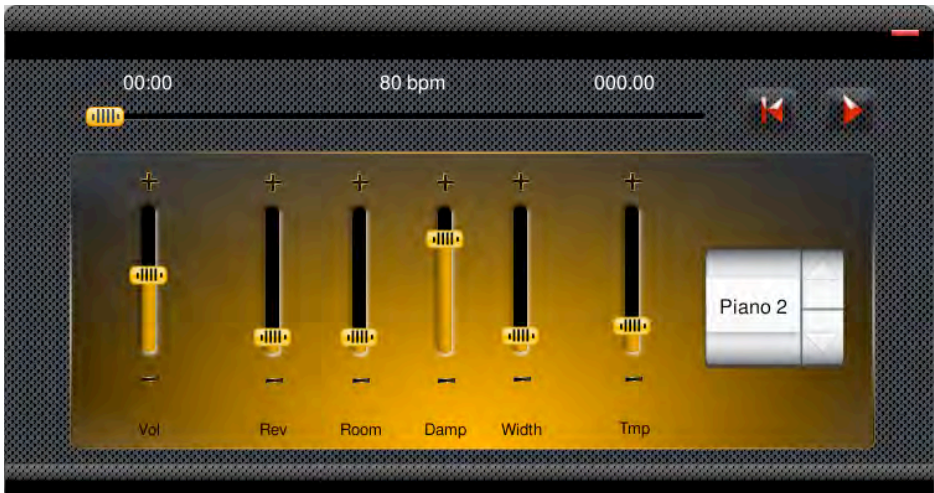
There is a musical instrument adjustment control to let you change different performance musical instrument.

PDF/Image In Details

Due to native format limitation, available score functions in PDF/Image format are quite different from MusicXML format.

Annotations
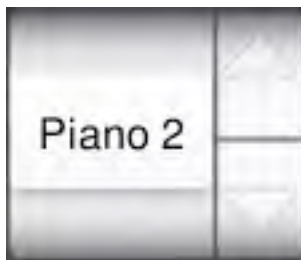
To put the annotations on the PDF/Image scores, it is just like to draw something on the paper.

● Click ( ) button to get into edit mode, and then click ( ) button to open text annotation function. Please click on the score view, the position you want to add annotation, and you will get a soft keyboard panel and input panel, just type the annotation content. Click ( ) button to save, click ( ) button to close the annotation input panel. The color button means the text color.

● Another annotation style is the drawing text, this is useful for those symbols that that soft keyboard can not output. Click ( ) button to get into edit mode, and then click ( ) button to open drawing annotation function. now you can start to draw the symbol annotations on the score. There is a rubber check box ( ), you can activate it, now the pan becomes a eraser that can erase all the contents excepting for horizontal lines. Click ( ) button to save, click ( ) button to close the annotation input

panel. The color button means the text color.

● After you finish the editing, please be sure to click ( ) button to go back to performance mode, or you can not continue the other operations.

● You can click ( ) button to load annotations, and click ( ) to hide annotations. This button is a switch button.

Connecting Accompanists

Accompanists can be connected together for purposes. For example, you want to simulate a book, you can connect 2 Accompanists together, so one Accompanist can be as left page, the other one can be as right page.
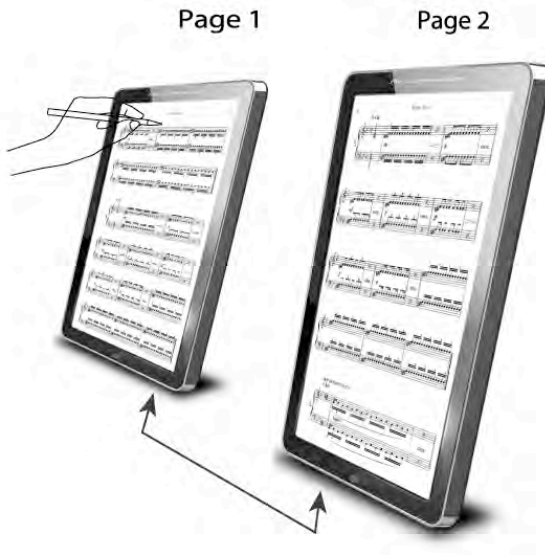
Accompanist has WiFi built-in, if several users can access the same wireless router, then they can login to a virtual classroom through wireless connection, and one Accompanist plays as master, others play as slaves, master can control all slaves. This function is particularly

useful for teaching.

Connecting 2 Accompanists

There is a bundled data cable, please plug it into the "DATA" port at the Accompanist back side. In the left-bottom side of the home screen, there is a connection button ( ), click it, then 2 Accompanists are connected now.

The one which starts the connection will display the odd pages, the other one will display even pages, so that you can simulate a book with left and right pages. Please beware that the odd side plays as master, the even side plays as slave, which mean only master is operational now, slave is not.

To disconnect Accompanists, click ( ) button, and the 2 Accompanist are disconnected.

To use this connection, please make sure the contents of the 2 SD cards used by the 2 Accompanist must be identical, or even you can make the connection successful, the operations will be failed.

Virtual Classroom

Considering an idea that a teacher and students in a classroom, and the teacher wants to share her/his score operations to the students, what Accompanist can do for it?

It is very easy to connect multiple Accompanists into a virtual
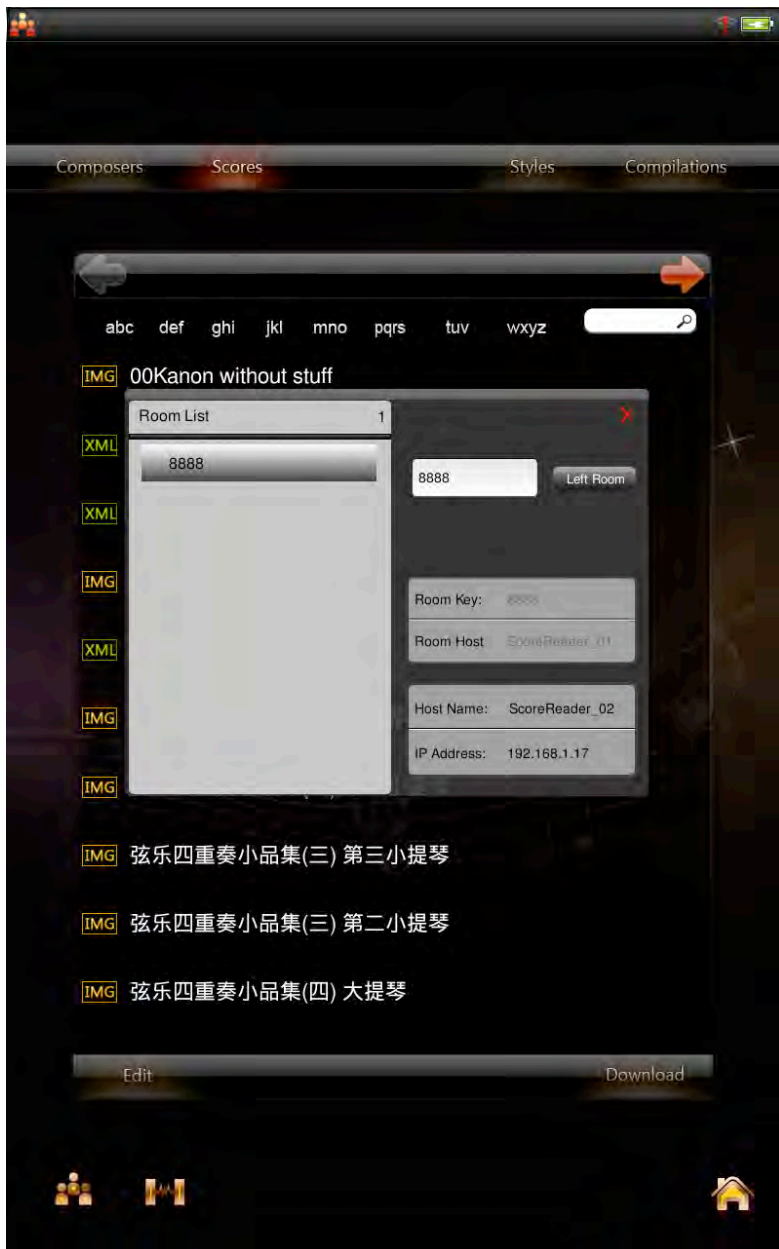
Create A Virtual Classroom

classroom, then a master Accompanist can control all the other Accompanist, including turning pages, making annotation. You must have a wireless router to use this function, all the virtual classroom communications are through WiFi.

● Make sure all Accompanists are connected to the same wireless router. You can not use different wireless router to build a virtual classroom, cause you need the same single IP domain. You do not need the wireless router connecting to internet, accessing internet does not impact this functions.

● To play as a teacher (master) role, there is a virtual classroom connection button ( ), click it. Input 4 digits number (no letters) as classroom ID, and click "Start" button to create the virtual classroom.

● To play as a student role, also click the connection button ( ), and choose a room ID in the left, then click "Join" button to join the classroom. Please make sure you choose the correct classroom ID, or you will jump to a classroom that you are not supposed to be there. The master can see all students in the left list.

● Now the master (teacher) can broadcast all the score operations to the students, including turning pages, making annotations, editing and modifications.

● To close the virtual classroom, the master must go back to score

Join A Virtual Classroom
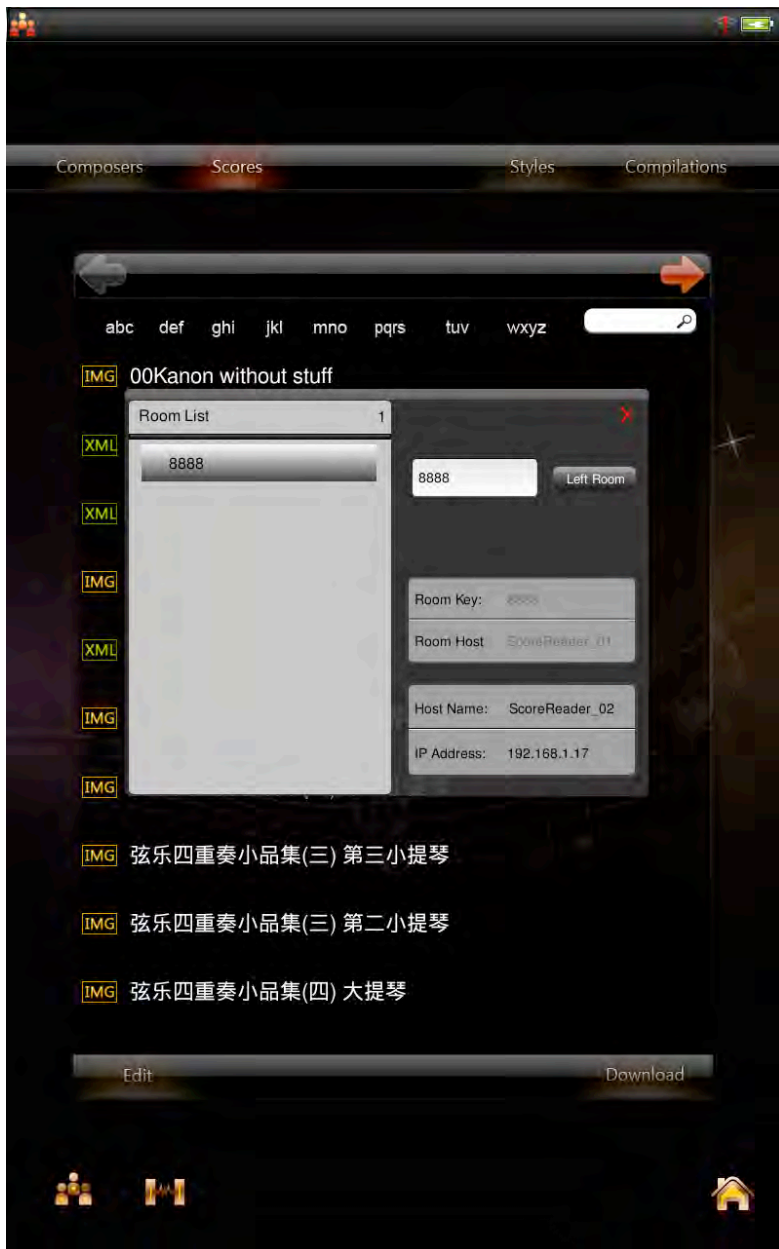
list view and click connection button ( ), now the master just needs to click the "Close" button, then all Accompanists is disconnected.

To use virtual classroom, please make sure the contents of all the SD cards used by the Accompanists must be identical, or even you can make the connection successful, the operations will be failed.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.