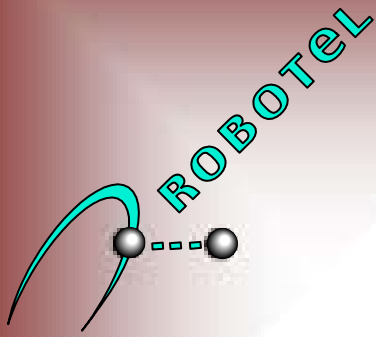
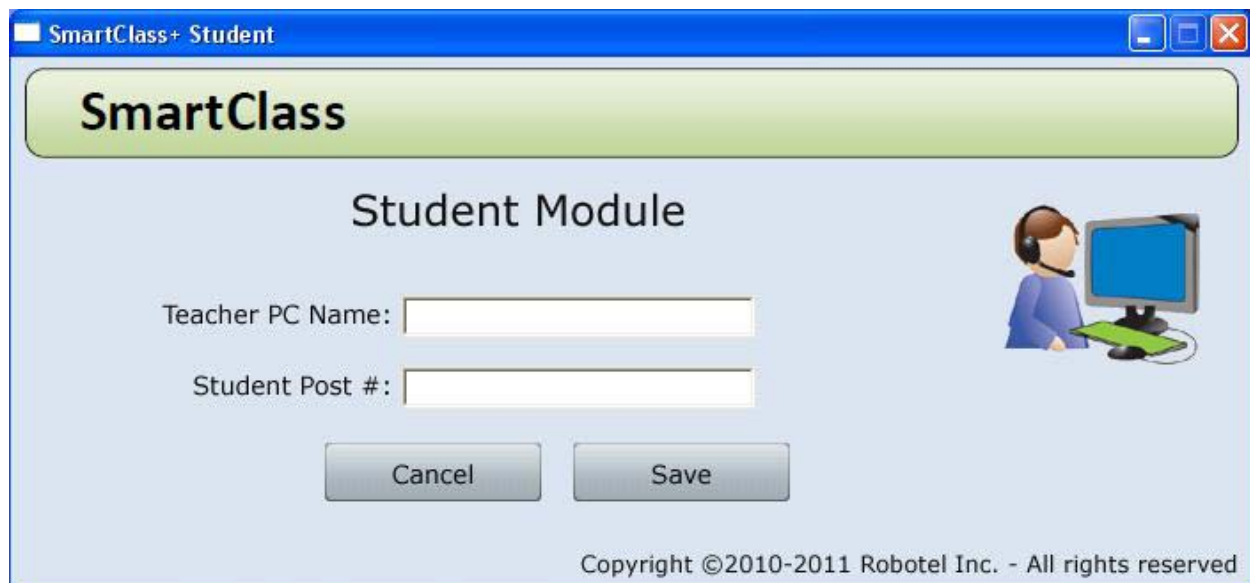




Installation Guide

SmartClass+ Student Software For Windows Devices



The image shows a screenshot of the SmartClass+ Student software interface. The window has a blue title bar with the text "SmartClass+ Student" and standard Windows window controls. Below the title bar is a green header bar with the text "SmartClass". The main content area is light blue and contains the text "Student Module". There are two input fields: "Teacher PC Name:" and "Student Post #:". Below these fields are two buttons: "Cancel" and "Save". To the right of the input fields is an illustration of a person wearing a headset and sitting at a computer. At the bottom of the window, there is a copyright notice: "Copyright ©2010-2011 Robotel Inc. - All rights reserved".

SmartClass+ Student

SmartClass

Student Module

Teacher PC Name:

Student Post #:

Cancel Save

Copyright ©2010-2011 Robotel Inc. - All rights reserved

Installation Guide Revision History

REVISION DATE	CHANGES
2012-11-28	Initial Release. The Reference point is SC+ Release 3.05
2012-12-04	Updated to include installation details for Android Tablets
2013-08-26	Updated to include: • Enhancements in release 1.02 • New LAD second screen app for Android
2013-11-14	Updated for release 311 • BYOD support
2014-02-25	Updated for release 312 • BYOD support for Windows tablets and laptops
2014-06-12	Updated for release 313 • Installation Guide for Tablets separated out into separate guides for iPad, Android, and Windows.

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Installing SmartClass+ Student for Windows

Device Prerequisites

The minimal requirements for the student Windows devices are as follows:

- Intel Pentium IV 2.5 GHz or AMD Athlon 2.5 GHz
- 1 GB or more of RAM
- 120 GB hard drive
- 100 Mb/s NIC (wired) or Wireless 802.11n (wireless)
- XGA Monitor (1024 x 768 pixels min – should be same as teacher monitor)
- Keyboard & mouse (or equivalent touch screen functionality)
- Sound card with external headphones & microphone connection
- Windows 7 or Windows 8 (32 bit or 64 bit),
- Adobe Flash version 10 (10.1.102.64 or newer) for Fixed and BYOD installs

(If using the SmartClass+ hardware-based KVM module, all student station keyboards and mice must be identical and all must use the same drivers.)

FIXED Classroom, BYOD, or AIR

There are currently three different SmartClass+ Student software packages for Windows devices:

- ***FIXED*** – In a fixed classroom scenario, specific student devices are associated with a specific teacher station. This model applies to most fixed classrooms and to most mobile carts (having a cart-based teacher station). This software module should be used for all fixed installations
- ***BYOD*** – BYOD is a contraction for Bring Your Own Device. This scenario applies to installations in which students bring their own devices to class – and can therefore connect to different teacher stations. Or, this model also applies to situations in which teachers bring their own teacher stations to class. This software module should be used in conjunction with the BYOD Manager.
- ***AIR*** – AIR is a reduced functionality version of the student software that operates using Adobe AIR components rather than Adobe FLASH. The AIR client can be configured for either FIXED or BYOD operation. Clients will not normally deploy this version of the software.

If there is any question about which scenario applies, check with your system administrator. You must choose the appropriate SmartClass+ Student software version.

Fixed Classroom Installation

Introduction

You must have administrative rights for all of the student computers in order to install the SmartClass Student software.

Make sure that the Teacher station and Media Server are installed prior to installing the student software.

Make sure that the student stations are running Adobe Flash Player – Version 10 (or newer). This is mandatory for fixed classroom environments.

It is recommended that you start with student station 1 and proceed in sequence until the last student station has been installed.

Updating an Older Version

You can update an older version of the SmartClass Student software simply by installing the new version. There is no need to un-install the previous version nor erase any files or folders.

Select the Student Software Package

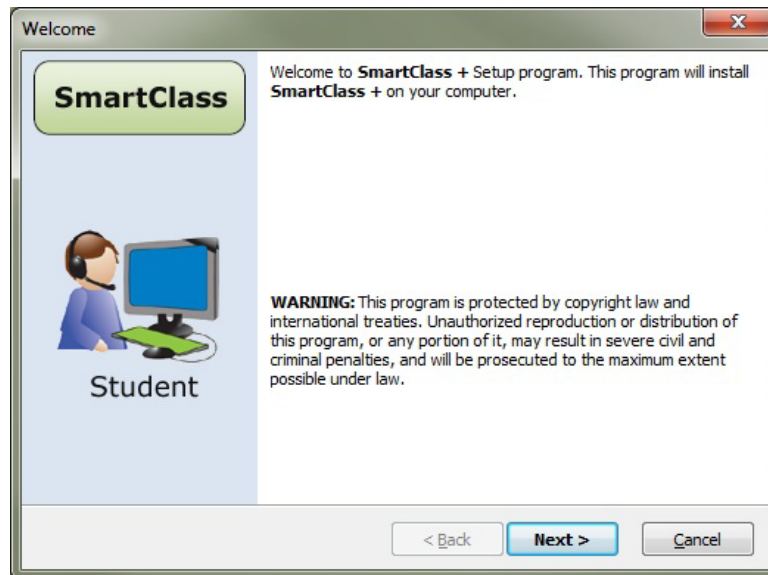
For fixed installations, the student software for Windows devices will use the following naming convention:

SmartClass-StudentSetup-Version-XXX

You will need access to a copy of this software on disk, on a USB key, via an accessible server on the network, etc.

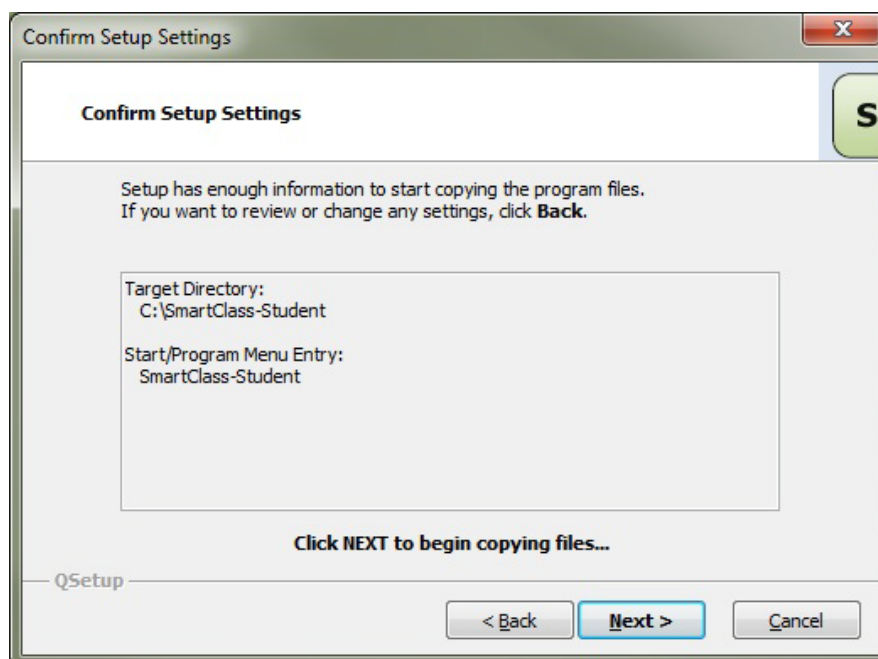
Installation

Begin by double-clicking on the appropriate installation file:



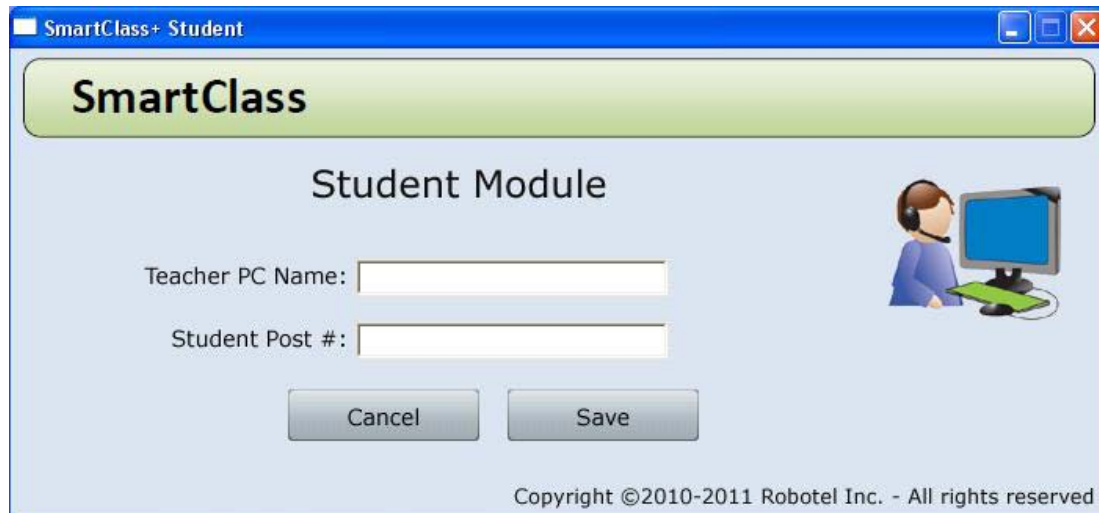
When the Window shown above opens, click on Next to proceed.

SmartClass asks you to confirm the Target Directory and Program Menu Entry as shown below. (Currently, you are unable to change these entries.) Click on Next to proceed.



Configuration

The final installation screen (shown below) appears, enter the network name of the Teacher Computer, (e.g. sf-teacher), and the address/station ID of the current student station. (If using a hardware-based KVM module, this address should match the physical address of the local station interface.) Click on Save to complete the installation.



The installer will automatically close when you save the student module data.

Desktop Icons

When the software has been installed, two SmartClass+ icons will appear on the student's desktop (as shown below):



SC+ Media Student (MAD) – This icon is used to access the Media Activities Dashboard for self-study activities.

SmartClass Student (LAD) – This icon is used to access the Live Activities Dashboard configuration panel shown in the previous section.

BYOD Installation

Introduction

You must have administrative rights for all of the student computers in order to install the SmartClass Student software.

Make sure that the Teacher station and Media Server are installed prior to installing the student software.

Make sure that the student stations are running Adobe Flash Player – Version 10 (or newer). This is mandatory for BYOD environments.

It is recommended that you start with student station 1 and proceed in sequence until the last student station has been installed.

Updating an Older Version

You can update an older version of the SmartClass Student software simply by installing the new version. There is no need to un-install the previous version nor erase any files or folders.

Select Student Software Package

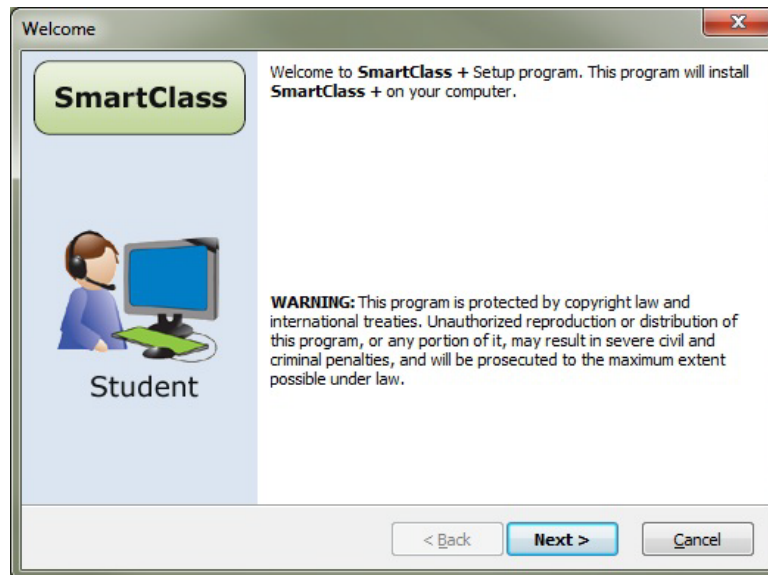
For BYOD installations, the student software for Windows devices will use the following naming convention:

SmartClass-BYOD-StudentSetup-Version-XXX.exe

You will need access to a copy of this software on disk, on a USB key, via an accessible server on the network, etc.

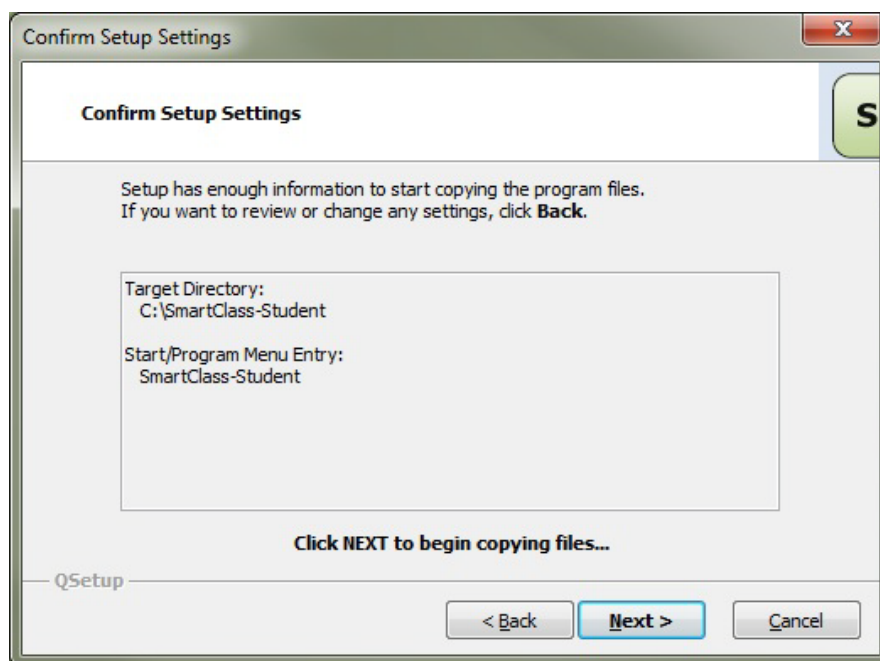
Installation

Begin by double-clicking on the appropriate installation file:



When the Window shown above opens, click on Next to proceed.

SmartClass asks you to confirm the Target Directory and Program Menu Entry as shown below. (Currently, you are unable to change these entries.) Click on Next to proceed.



The installer will automatically close when the software has been installed.

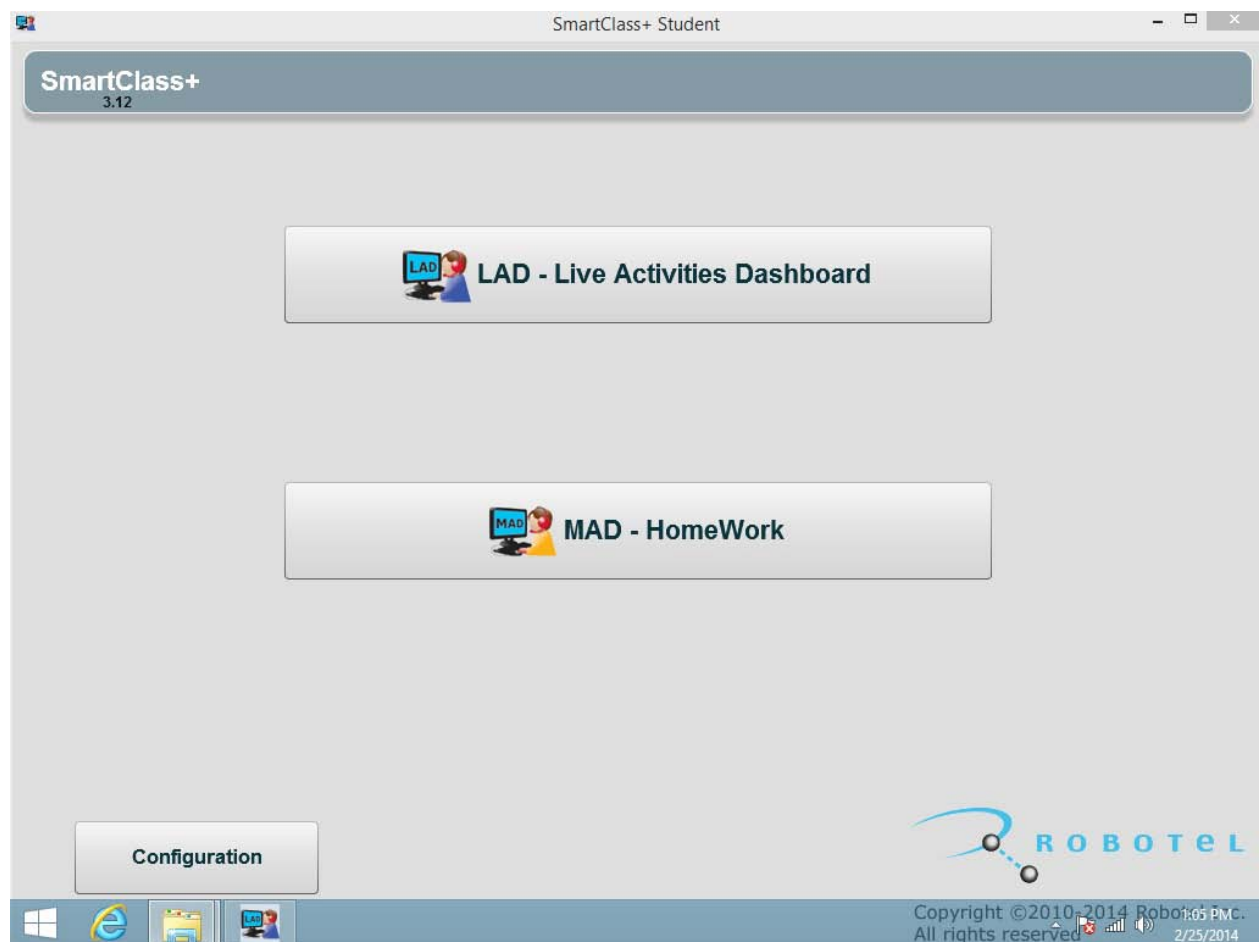
Desktop Icons

When the BYOD software has been installed, two SmartClass+ icons will appear on the student's desktop (as shown below):



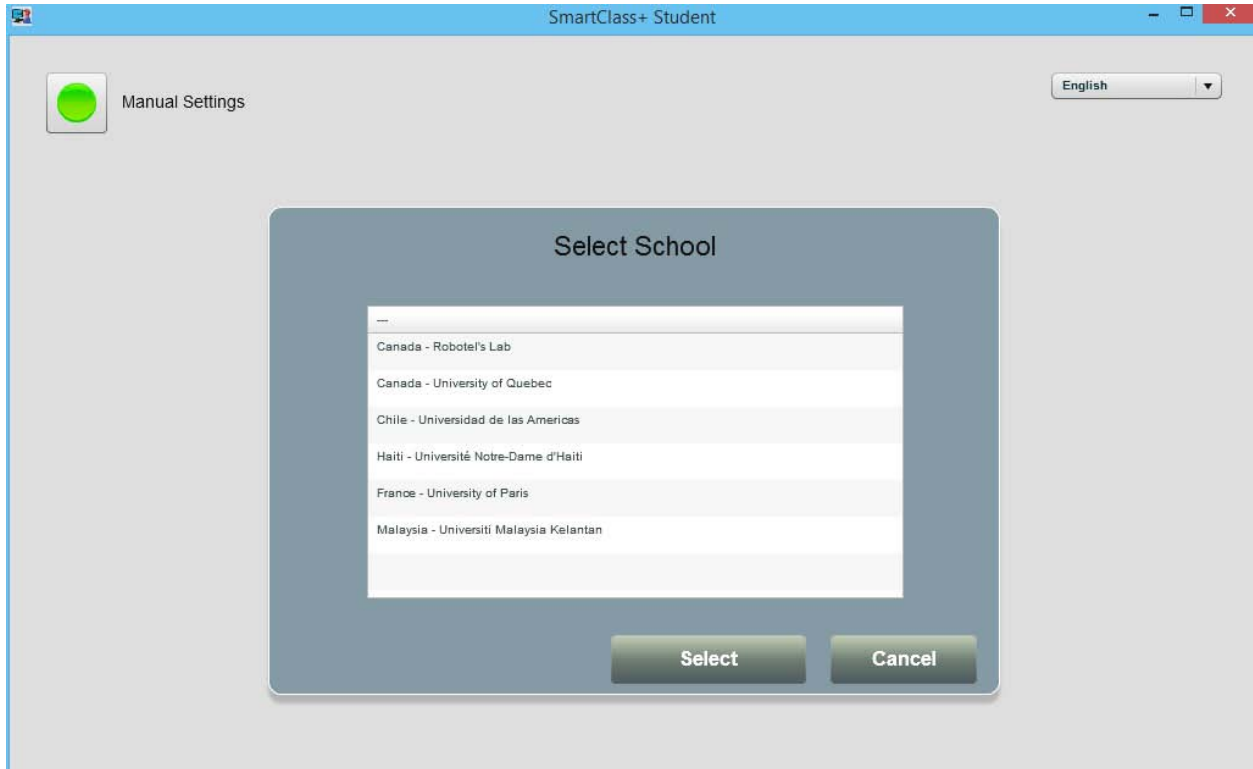
SC+ Media Student (MAD) – This icon is used to access the Media Activities Dashboard for self-study activities.

SmartClass Student (LAD) – This icon is used to access the configuration panel for SmartClass+, and to provide access to both the Live Activities Dashboard and to HomeWork. The pop-up view is shown below:



Configuration

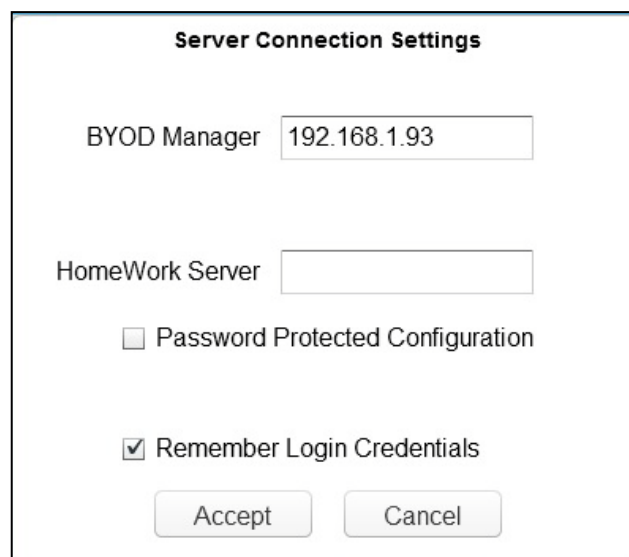
Click on the *Configuration* button at the bottom of the screen.



Manual Settings

The first time that you run the SmartClass+ application, click on the *Manual Settings* button in the upper left corner.

This will open the *Server Connection Settings* panel shown below.

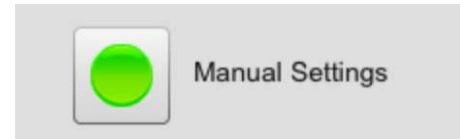
The screenshot shows the 'Server Connection Settings' dialog box. It has a title bar with the text 'Server Connection Settings'. Inside the dialog, there are two text input fields: 'BYOD Manager' with the value '192.168.1.93' and 'HomeWork Server' which is empty. Below these fields is a checkbox labeled 'Password Protected Configuration' which is unchecked. At the bottom, there is a checkbox labeled 'Remember Login Credentials' which is checked. At the very bottom of the dialog are two buttons: 'Accept' and 'Cancel'.

Check with your system administrator to determine the *IP Address* for the *BYOD Manager* and (optionally) for the *HomeWork Server*. These values need to be entered in the appropriate fields.

In a BYOD environment, where the device user is always the same, normally you will check the box for *Remember Login Credentials*.

Optionally, you can *Password Protect* access to the *Configuration* screen on the device. Click on the *Accept* button to register your data.

Note that the *Manual Settings* indicator will glow green to indicate that there is a valid connection with the *BYOD Manager*.

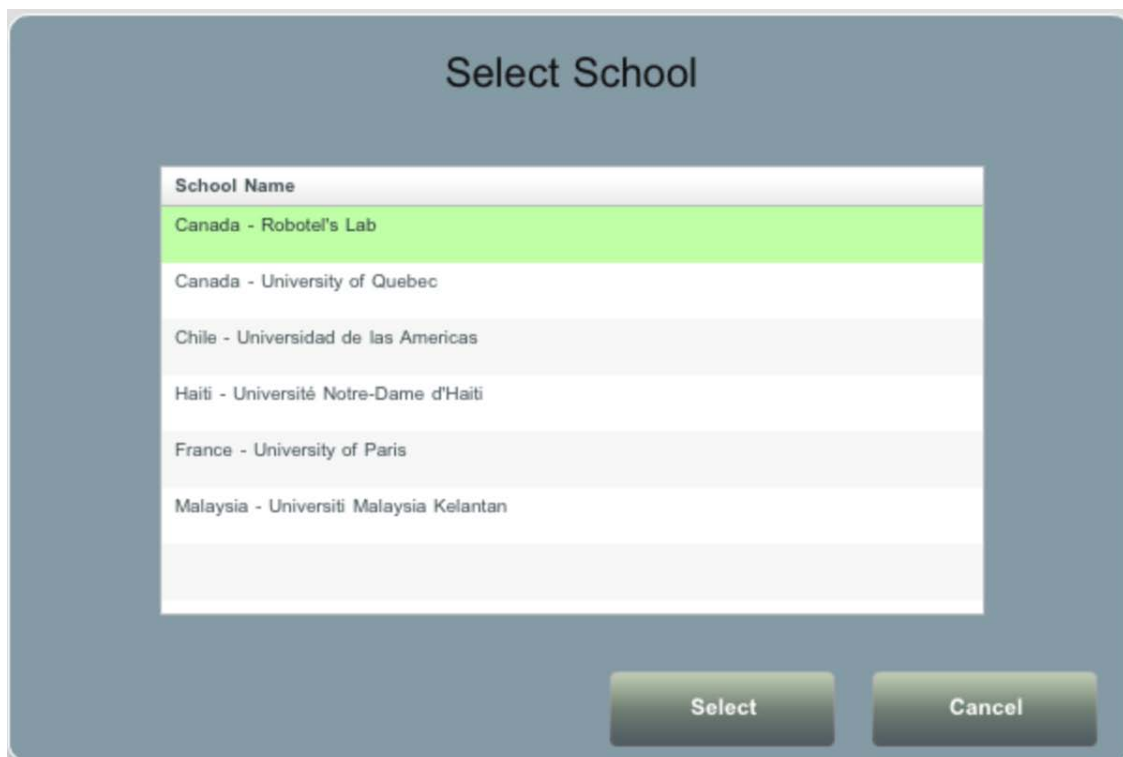


Select School

If your system has been registered with Robotel, (check with your system administrator), you also have the option of automatically detecting the IP addresses for your School Server and your HomeWork Server by clicking on your institution's name in the Select School panel shown below.

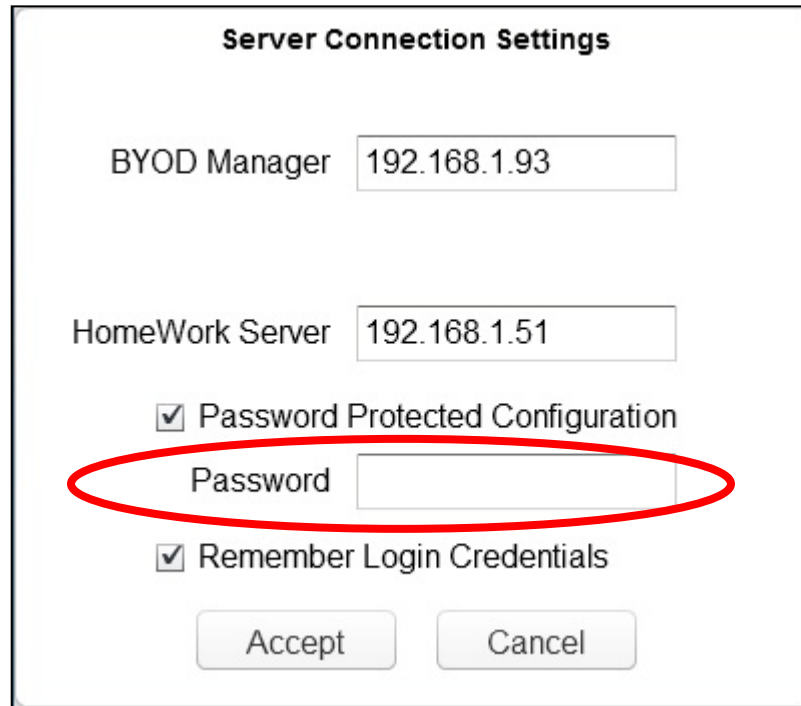
Use caution, as selecting an entry in this list will override the manual settings completed in the previous step.

If you do not want to change the manual settings, click on the *Cancel* button to exit from the Configuration page.



Password Protection

If you had selected the Password Protected Configuration option in Manual Settings, an additional Password field will appear as shown below. Enter the password that you wish to use to access the Configuration Panel.



Server Connection Settings

BYOD Manager 192.168.1.93

HomeWork Server 192.168.1.51

☒ Password Protected Configuration

Password

☒ Remember Login Credentials

Accept Cancel

Once password protection has been enabled, you will be prompted to enter this password when trying to access the configuration page. This is shown below.



MAD - Media Activities Dashboard

Configuration

Password

Continue Cancel

MAD - HomeWork

AIR Installation

Introduction

You must have administrative rights for all of the student computers in order to install the SmartClass Student software.

Make sure that the Teacher station and Media Server are installed prior to installing the student software.

Updating an Older Version

You can update an older version of the SmartClass Student software simply by installing the new version. There is no need to un-install the previous version nor erase any files or folders.

Select Student Software Package

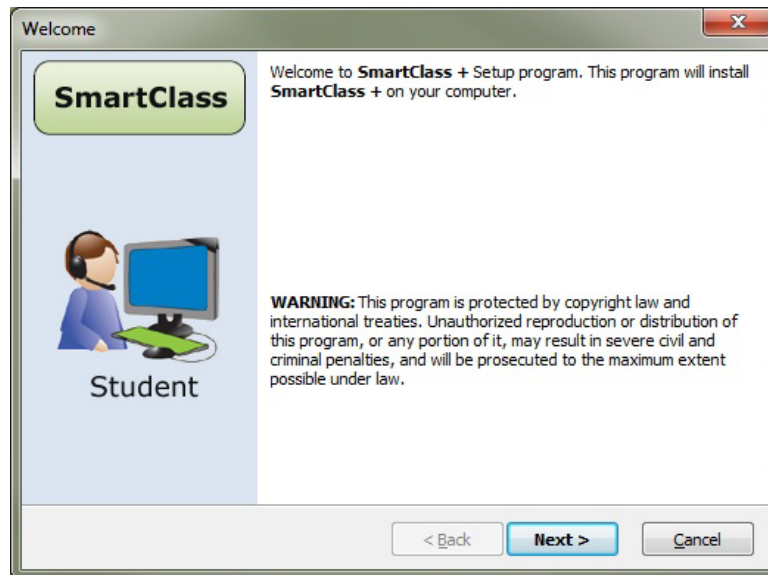
For BYOD installations, the student software for Windows devices will use the following naming convention:

SmartClass-AIR-StudentSetup-Version-XXX.exe

You will need access to a copy of this software on disk, on a USB key, via an accessible server on the network, etc.

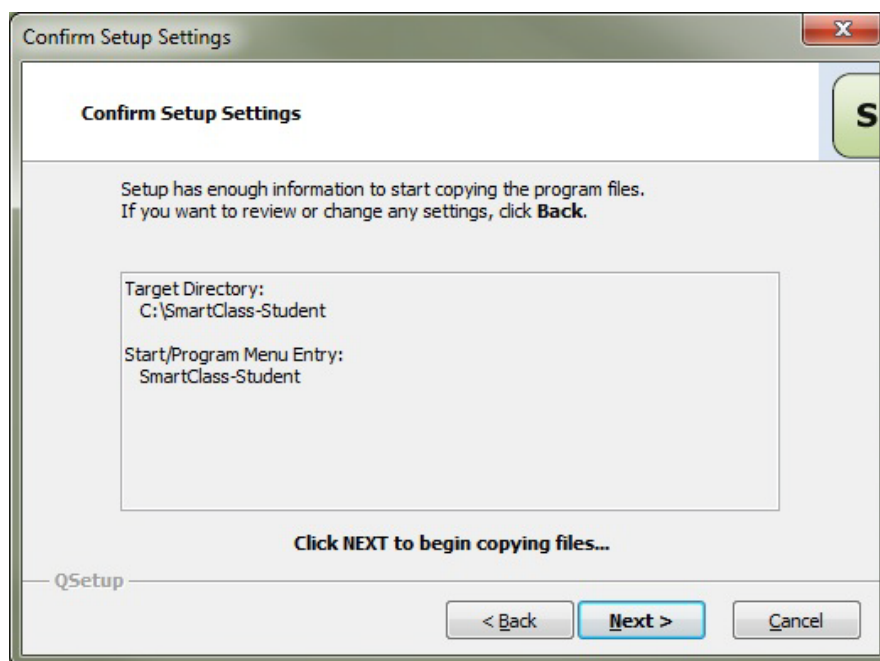
Installation

Begin by double-clicking on the appropriate installation file:



When the Window shown above opens, click on Next to proceed.

SmartClass asks you to confirm the Target Directory and Program Menu Entry as shown below. (Currently, you are unable to change these entries.) Click on Next to proceed.



The installer will automatically close when the software has been installed.

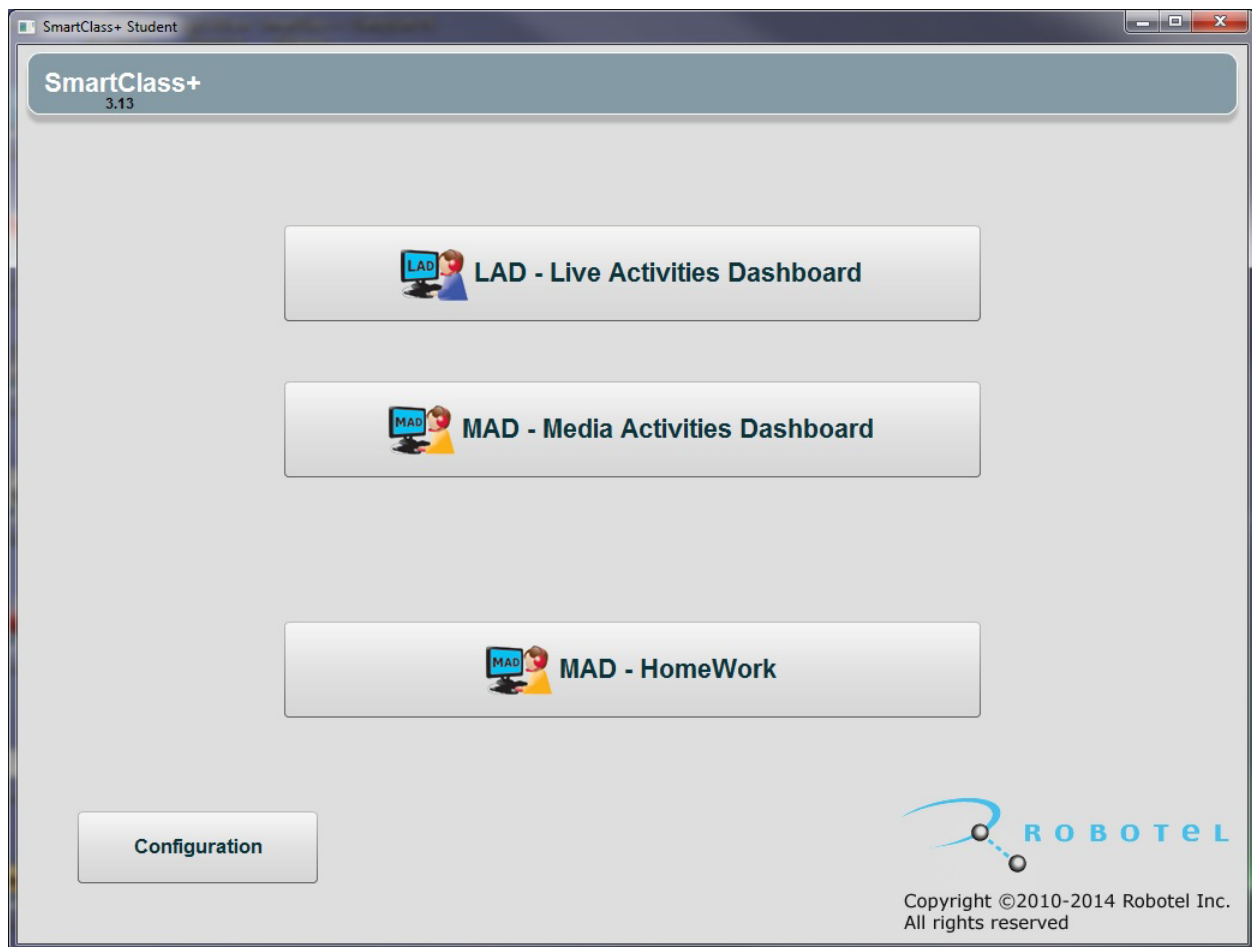
Desktop Icons

When the AIR software has been installed, a single SmartClass+ icon will appear on the student's desktop (as shown below):



SmartClass Student AIR – This icon provides access to a home page view of the AIR application. From this page, students can select the MAD (Media Activities Dashboard), the LAD (Live Activities Dashboard), HomeWork, or the SmartClass+ configuration panel.

The home page is shown below:



Configuring the SmartClass+ Student Application

Fixed Classrooms or BYOD

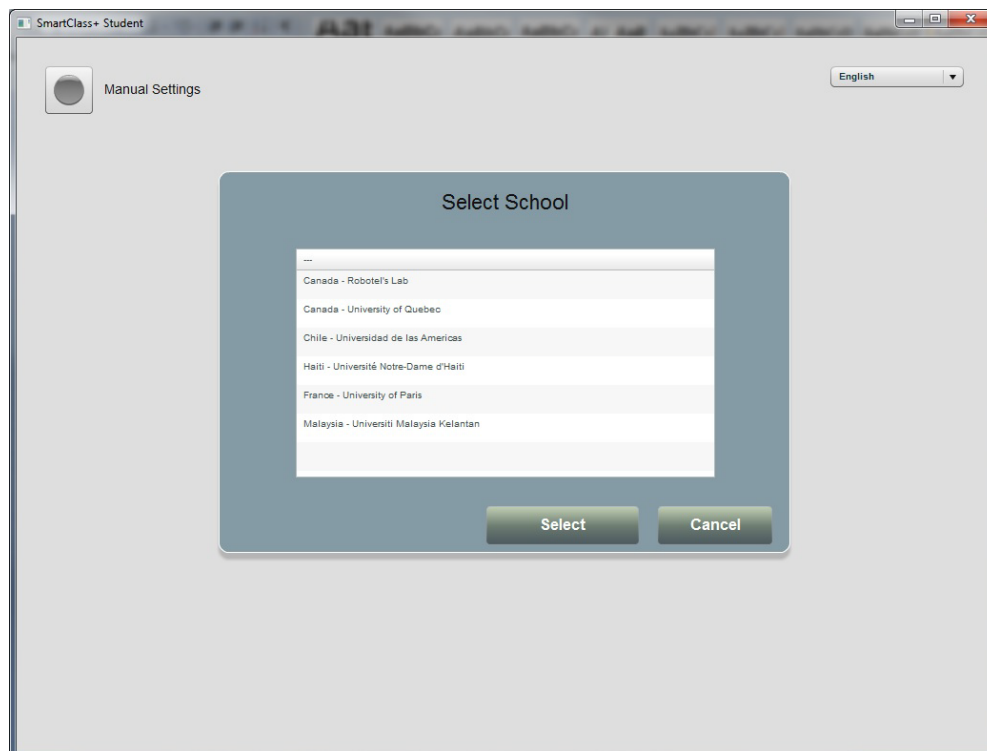
Before the Windows AIR client configuration can be completed, it must be determined which of the following two options apply for live classes:

- **Fixed Classrooms** – In this scenario, specific student devices are associated with a specific teacher station. This model applies to most fixed classrooms and to most mobile carts (having a cart-based teacher station).
- **BYOD** – BYOD is a contraction for Bring Your Own Device. This scenario applies to installations in which students bring their own devices to class – and can therefore connect to different teacher stations. Or, this model also applies to situations in which teachers bring their own teacher stations to class.

If there is any question about which scenario applies, check with your system administrator.

Configuration

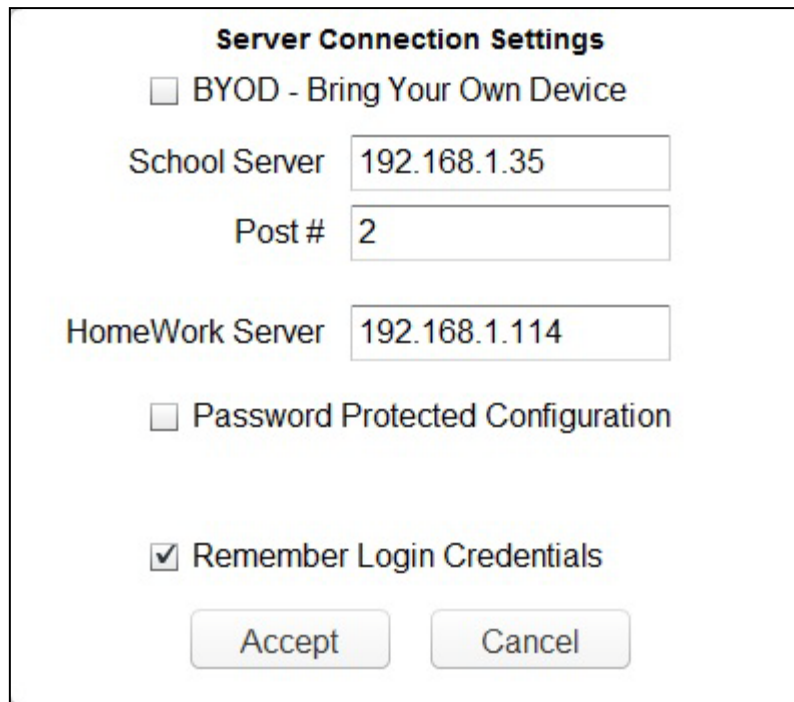
Click on the *Configuration* button in the lower left corner. The *Configuration Screen*, shown below, will appear.



Manual Settings

The first time that you run the SmartClass+ application, click on the *Manual Settings* button in the upper left corner.

This will open the *Server Connection Settings* panel shown below.



The screenshot shows a dialog box titled "Server Connection Settings". It contains the following elements:

- A checkbox labeled "BYOD - Bring Your Own Device" which is currently unchecked.
- Two text input fields: "School Server" with the value "192.168.1.35" and "Post #" with the value "2".
- Another text input field: "HomeWork Server" with the value "192.168.1.114".
- A checkbox labeled "Password Protected Configuration" which is currently unchecked.
- A checkbox labeled "Remember Login Credentials" which is currently checked.
- Two buttons at the bottom: "Accept" and "Cancel".

Check with your system administrator to determine the *IP Address* for the School Server and for the HomeWork Server. These values need to be entered in the appropriate fields.

If you are working in a **Fixed Classroom environment**, leave the *BYOD* box un-checked, and enter the *Post #* for the target device. Normally, in this scenario, multiple students will use the target device, so the *Password Protected Configuration* box should be checked (to avoid the possibility of students modifying these parameters) and the *Remember Login Credentials* box should be un-checked (so that new students do not accidentally login using the previous student's credentials).

If you are working in a **BYOD environment**, check the *BYOD* box. This will hide the *Post #* field. Normally, in this scenario, a single student will always use the target device, so the *Password Protected Configuration* box can be checked or un-checked, and the *Remember Login Credentials* box should be checked (to speed up the login procedure).

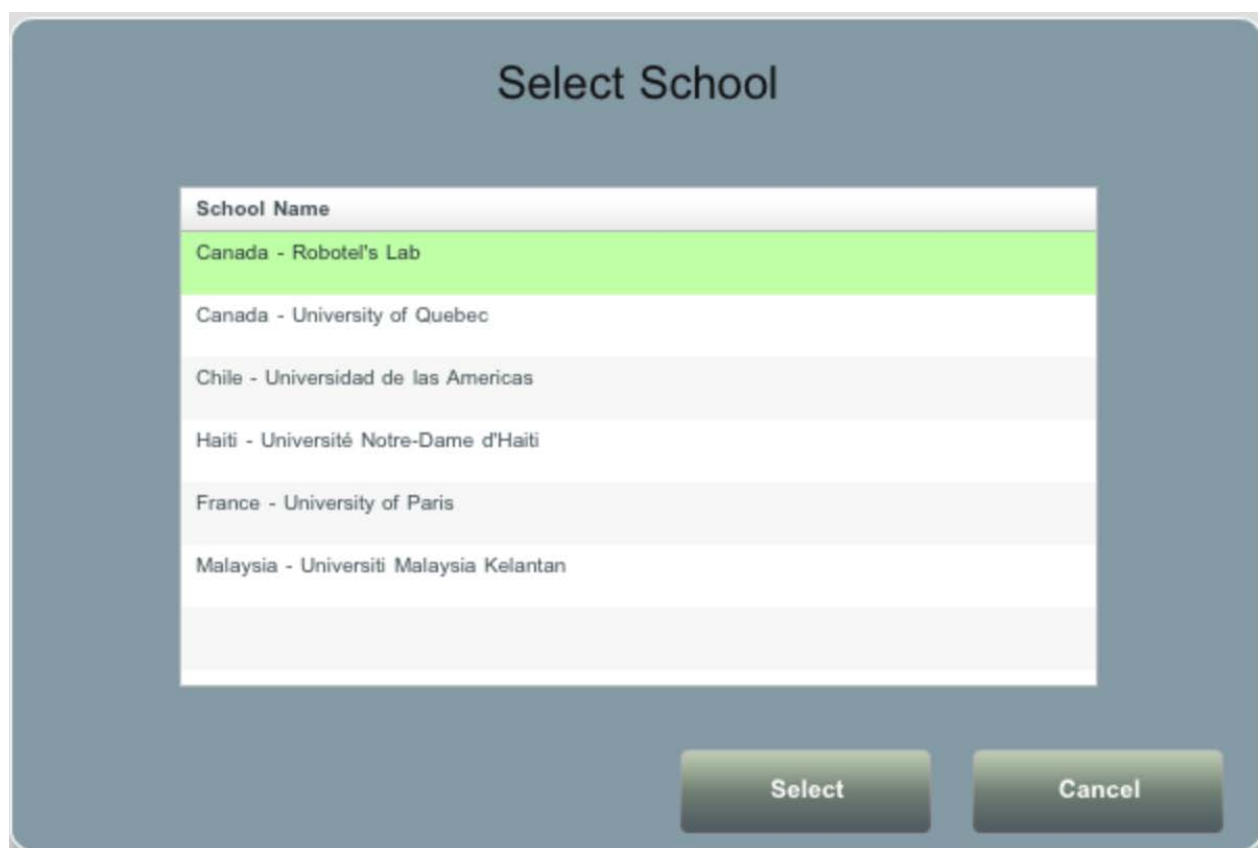
Enter the appropriate values in this panel and then click on *Accept*. SmartClass+ will remember the values that you entered into the *Server Connection Settings* panel, so that you will not have to access the manual connection panel again.

Select School

If your system has been registered with Robotel, (check with your system administrator), you also have the option of automatically detecting the IP addresses for your School Server and your HomeWork Server by clicking on your institution's name in the Select School panel shown below.

Use caution, as selecting an entry in this list will override the manual settings completed in the previous step.

If you do not want to change the manual settings, click on the *Cancel* button to exit from the Configuration page.



If you had chosen the Password Protected Configuration option under Manual Settings, once you exit from the configuration page, password-based access will become effective.

Password Protection

If you had selected the Password Protected Configuration option in Manual Settings, an additional Password field will appear as shown below. Enter the password that you wish to use to access the Configuration Panel.

Server Connection Settings

☐ BYOD - Bring Your Own Device

School Server

Post #

HomeWork Server

☒ Password Protected Configuration

Password

☒ Remember Login Credentials

Once password protection has been enabled, you will be prompted to enter this password when trying to access the configuration page. This is shown below.

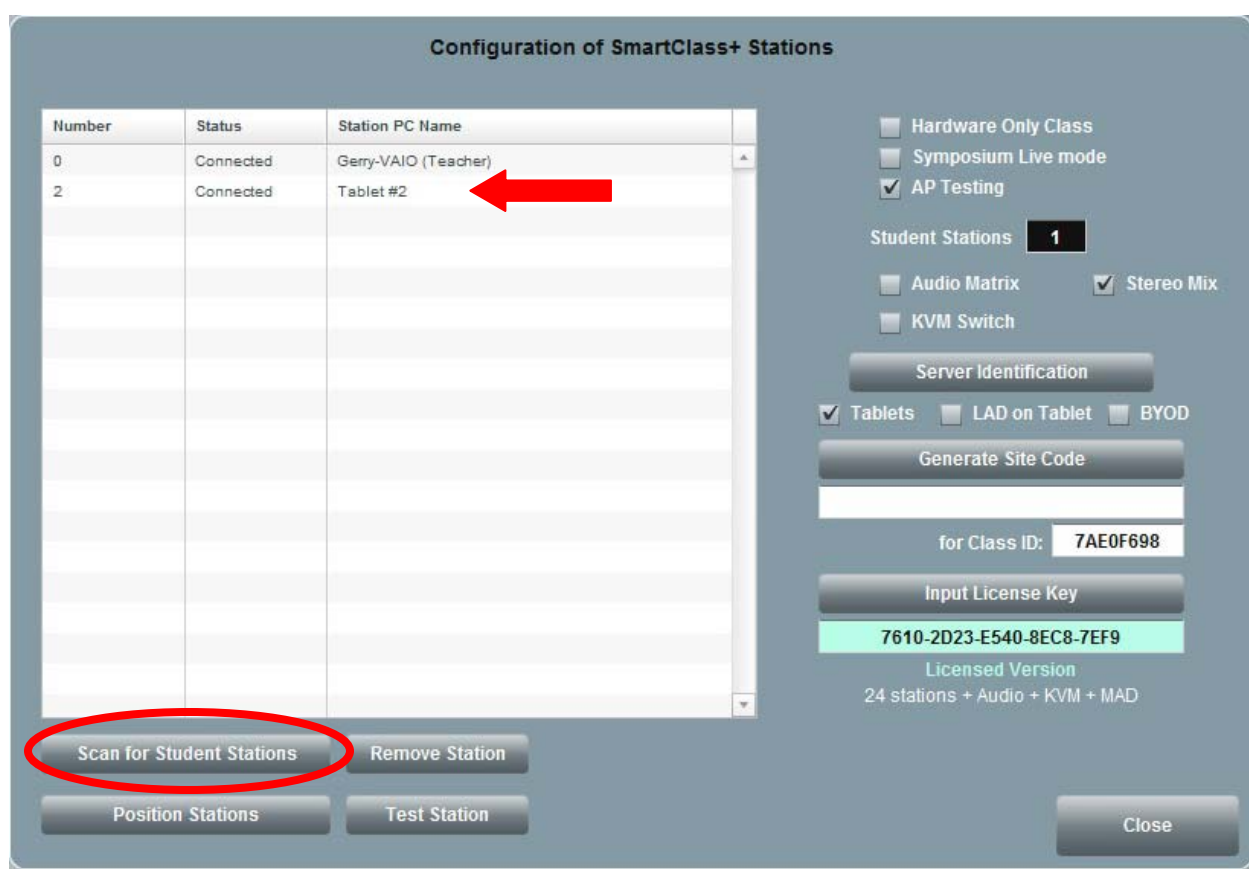


Detecting the Student Device

From the SC+ home page on the student device, click on the *LAD Live Classroom* button.

If you are attempting to connect the student device to the teacher station for the first time, the student device must first be detected by the teacher station.

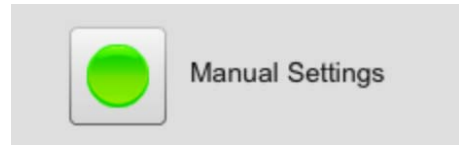
In the *LAD Configuration* page on the teacher's station, click on the *Scan for Student Stations* button and make sure that the student devices are detected in the list. An icon for the station should also appear on the LAD control panel.



Student Device to BYOD Manager Connection

On the Windows device, launch the SmartClass+ application, and click on the Configuration button.

When a connection is established between the SC+ Windows BYOD software and the Tablet Server, (running on the BYOD Manager), the button/indicator (labeled Manual Settings) in the upper left corner of the configuration screen will glow green as shown at right.



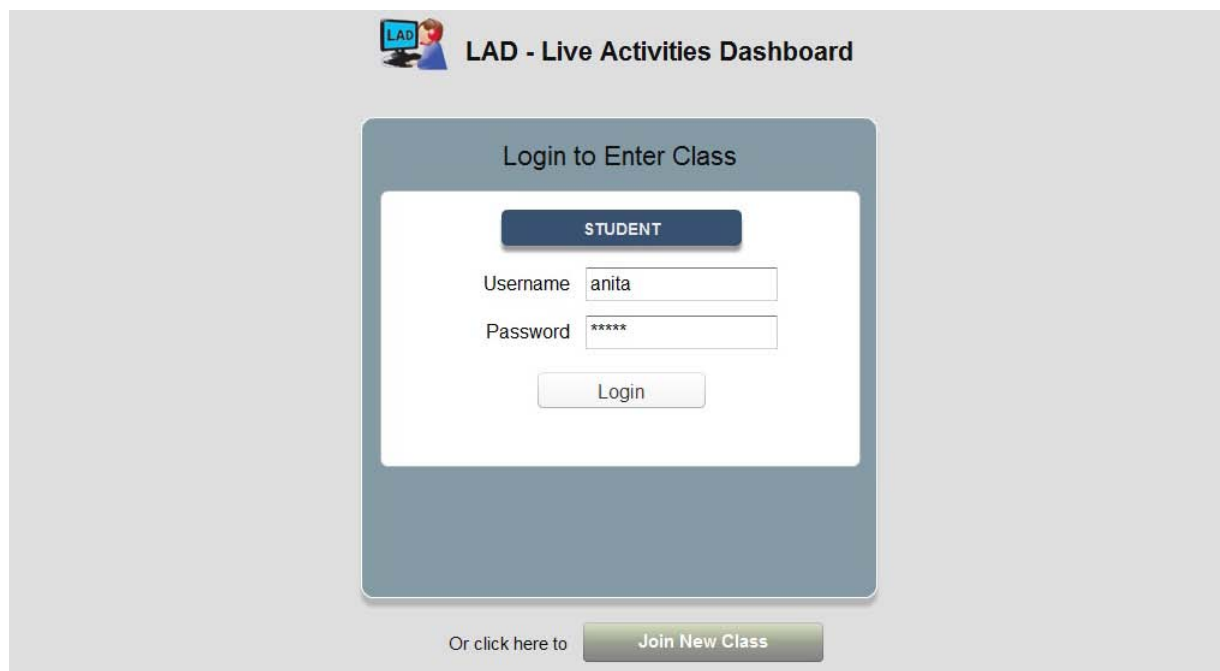
BYOD Login

In a BYOD environment, the student will first connect with the BYOD Manager application to determine which of his Live Class sessions is currently running.

The BYOD Manager will prompt the student to login to identify all classes for which the student is registered.

The process begins when the student clicks on the LAD – Live Activities Dashboard button.

The login screen will appear. Note that the student's login credentials have been remembered. The student clicks on *Login*.

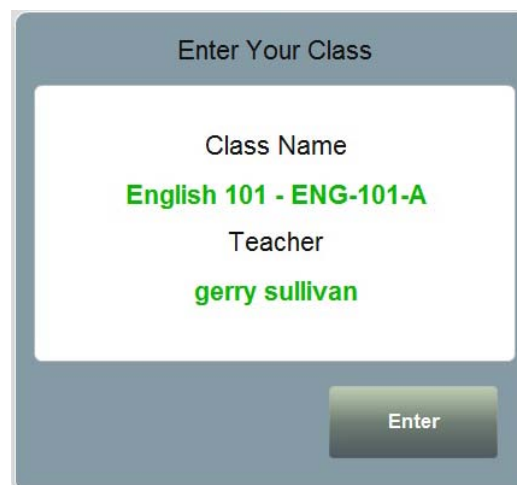
A screenshot of the "LAD - Live Activities Dashboard" login screen. At the top, there is a small icon of a person at a computer with "LAD" on the screen, followed by the text "LAD - Live Activities Dashboard". Below this is a large blue rounded rectangle containing the text "Login to Enter Class". Inside this rectangle is a white rounded rectangle with a dark blue button labeled "STUDENT". Below the button are two input fields: "Username" with the text "anita" and "Password" with "*****". Below the password field is a "Login" button. At the bottom of the blue rectangle, there is a link "Or click here to" followed by a green button labeled "Join New Class".

The BYOD Manager identifies which class sessions are available to this student. If there are more than one session, a list of available sessions is displayed and the student must pick the correct class/teacher.

If there are no sessions available, the student will see the following message:



If only a single session is available (as is typically the case), then the student will be shown this class and prompted to enter the class. The student clicks on the *Enter* button.

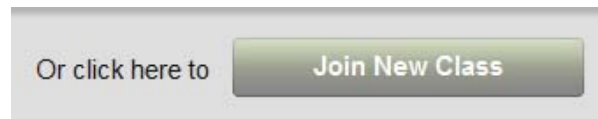


New Students

When a teacher has new students in her BYOD class for the first time, she can give these new students the opportunity to join the class by selecting the *Populate Class* option.

In this scenario, the BYOD Manager will display a pop-up window on the LAD panel on the teacher's desktop with a unique 3-digit code identifying this class. Only those students to whom the teacher gives this code are enabled to populate the class.

Students will click on the Join New Class button on their tablet:



They will be prompted to enter the 3-digit Join Class Code for the class:

A screenshot of a tablet screen titled "Join New Class". The background is a solid blue-grey color. In the center, the text "Enter Join Class Code provided by the Teacher" is displayed in a blue font. At the bottom, there is a label "Join Class Code:" followed by a small white text input field with a green border. To the right of the input field is a dark green "Join" button.

After entering the code, the corresponding class information is displayed. The student then clicks on the Join button:

A screenshot of a tablet screen titled "Join New Class". The background is a solid blue-grey color. In the center, there is a white rectangular box containing the following text: "Class Name" followed by "English 101 - ENG-101-A" in green, and "Teacher" followed by "gerry sullivan" in green. At the bottom, there is a label "Join Class Code:" followed by a small white text input field containing the number "994". To the right of the input field is a dark green "Join" button.

At this point, the student will be prompted to login with his complete profile for the selected class (as shown below).



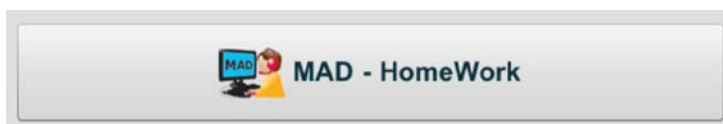
The image shows a software window titled "Create Account for English 101 - ENG-101-A". Inside the window, there are four text input fields arranged vertically, each preceded by a label: "First Name:", "Last Name:", "Username:", and "Password:". To the right of each label is a white rectangular input box. At the bottom right of the window is a green button with the text "Create Account".

#####

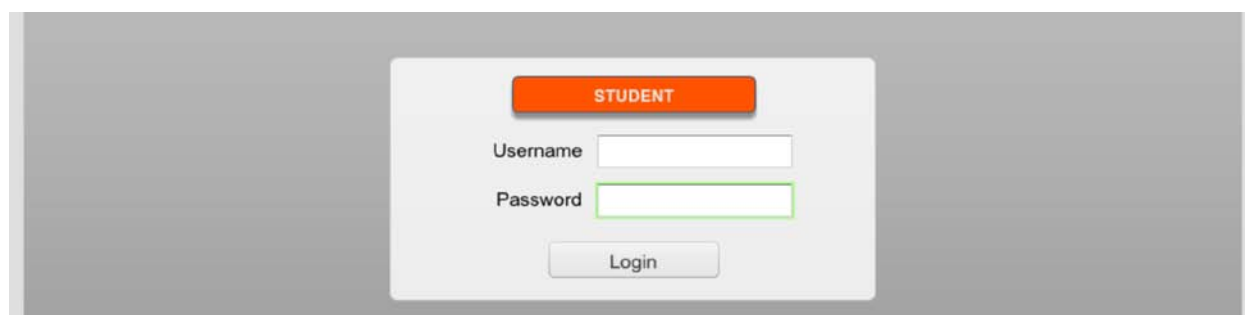
Testing the HomeWork Connection

Overview

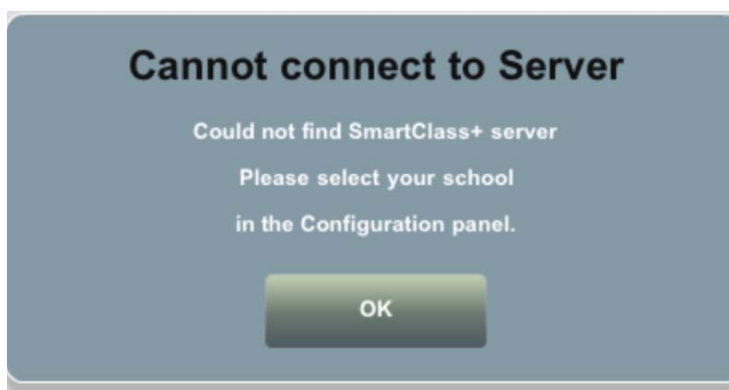
From the application home page, click on the button marked MAD – HomeWork (as shown below).



You will then be prompted with the student login panel as shown below:

A login panel with a light gray background. At the top is an orange button labeled 'STUDENT'. Below it are two input fields: 'Username' and 'Password'. The 'Password' field has a green border. At the bottom is a 'Login' button.

If there is a problem with the server connection, you will see the warning message displayed below:



#####



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