



Smart Classroom Control System

User Manual

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Smart Classroom Control System:

1. Introduction:

Smart Classroom Control System (SCCS) provides the control of classroom environment and Audio & Video (AV) by Control Panel. User can control lighting scene modes, air-conditioner switching on/off, projector, projection screen and video source output to show on the screen in classroom. Lighting and air-conditioners are automatically switch on/off. SCCS aims at simplify activations of those equipment by user-friendly interface and functions. It benefits the procedure of conducting a lesson in a classroom.

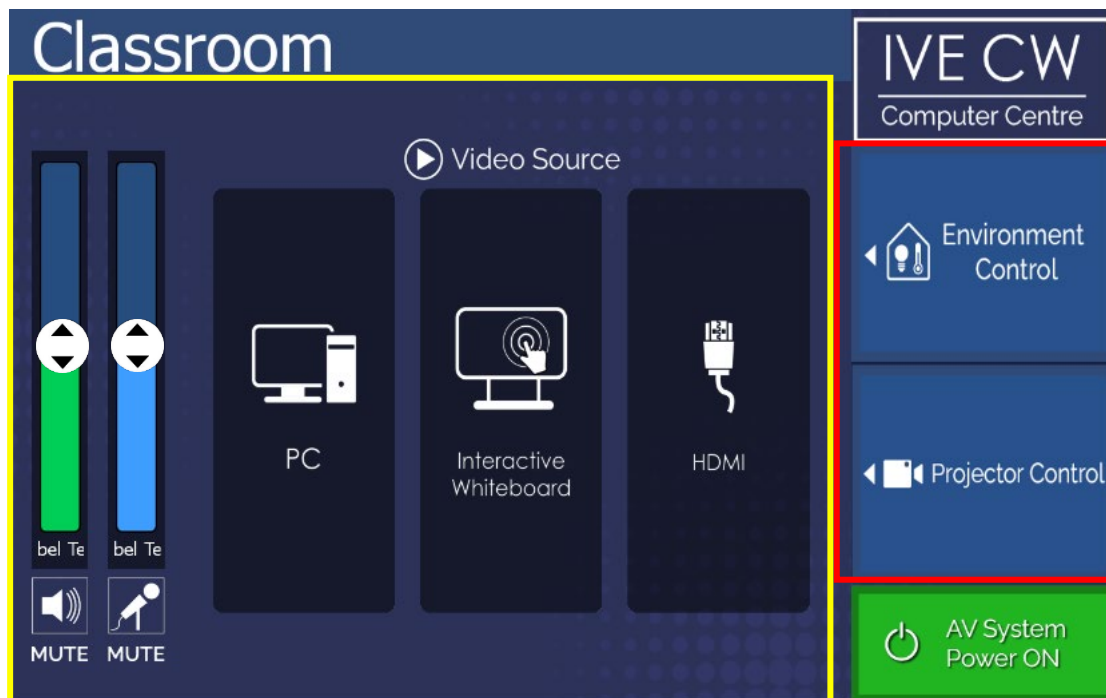
The following classrooms require user to tap staff card to unlock the door for initiating the check-In process in order to complete the room booking request.

Floor	Classroom
3/F	305, 306, 307, 308, 309
4/F	405, 406, 407, 408, 409, 410

Check-in process will be available 15 minutes before the lesson starts. Class teacher can tap the valid staff card directly on e-lock readers outside the classroom and the door will remain unlocked until the end of the lesson.

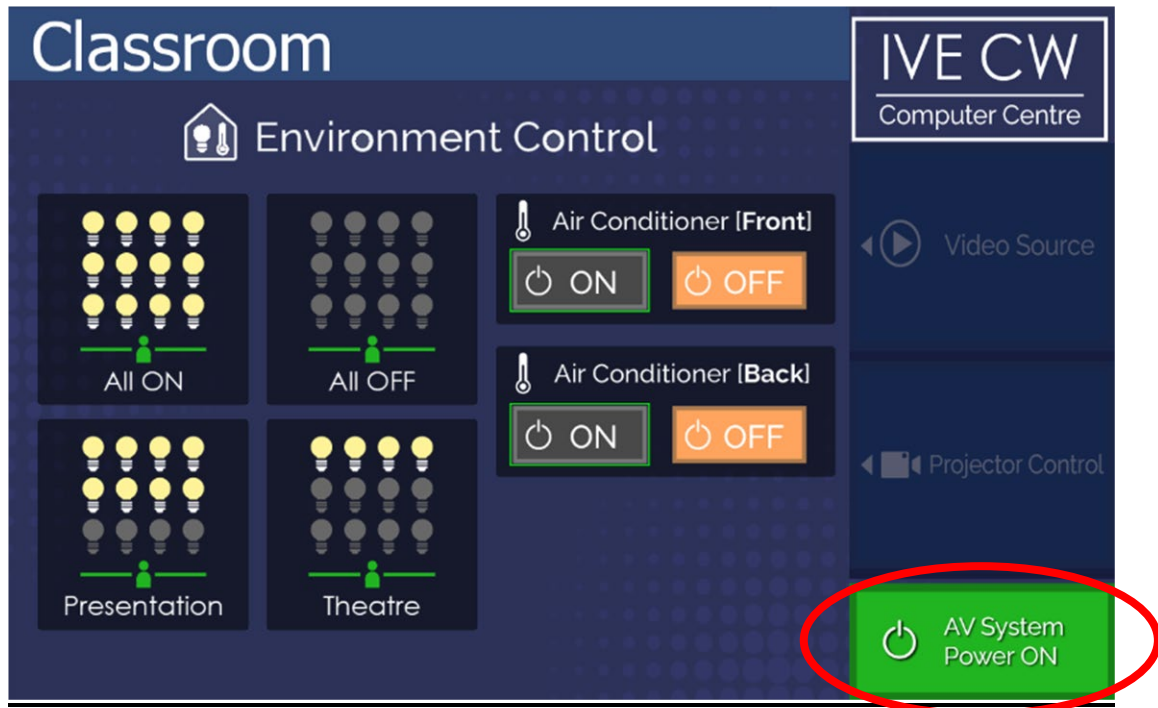
2. User Interface:

Smart Classroom Control System (SCCS) is a user-friendly system. User can easily control AV function on panel page. User can select different control devices via button shown on right hand side of panel control. SCCS contains three main functions including “Video Source”, “Environment Control” and “Projector Control”.



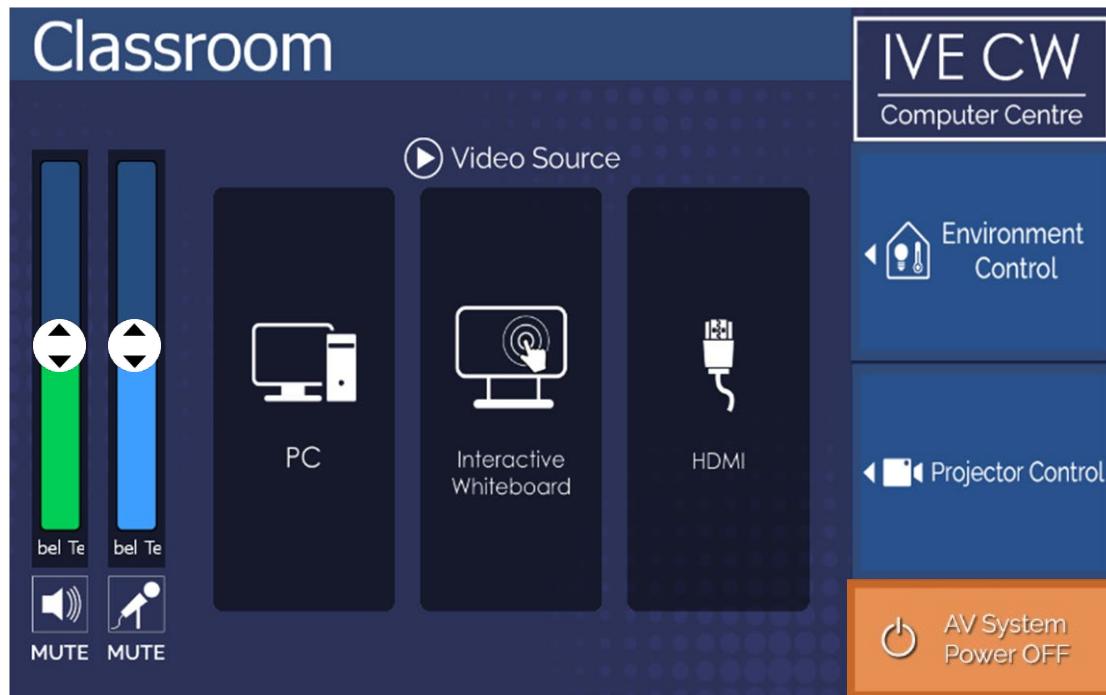
- Current Control Function (Yellow Highlight Box)
- Select to control different functions (Red Highlight Box)

3. Activation of System:



- Click on **AV System Power ON** button to activate the system.
- Default room setting as below:
 - *Projector: ON*
 - *Projector Screen: Down*
 - *Projector Screen Source: PC*
 - *Lighting: All ON mode*
 - *Air Conditioner [Front]: ON*
 - *Air Conditioner [Back]: ON*

4. Video Source:



User can select different projector output sources via Smart Classroom Control System.

- **PC:**
 - To display desktop of the classroom directly.
- **Interactive Whiteboard:**
 - To display whiteboard screen on desktop pc and projector.
 - To provide Screen Mirroring for Apple iOS device which support Airplay, Windows OS or Android operation device such as laptop and smartphone.
- **HDMI:**
 - To show external device via HDMI output to connect the system.
- **Audio Sound:**
 - To control PC and Mic sound by scroll up and down bar. User can tap icon to select mute sound.

5. Environment Control:



To control in-room lighting and air-conditioner, user can tap on “Environment Control” button.

There are four lighting modes as below for user selection.

- **ALL ON:**
 - To turn on the rest of the light bulbs.
- **ALL OFF**
 - To turn off all light bulbs.
- **Presentation mode:**
 - Switch on all light expect the first row of the light bulbs. (i.e. Classroom Lecture/ Tutorial/ Presentation)
- **Theatre mode:**
 - Only switch on the last row of the light, other light bulbs will be switched off. (i.e. Watching Videos / Movie)

There are two air-conditioners control as below for user selection.

- **Air Conditioner [Front]:**
 - Control switch ON/OFF near from teacher desk
- **Air Conditioner [Back]:**
 - Control switch ON/OFF away from teacher desk

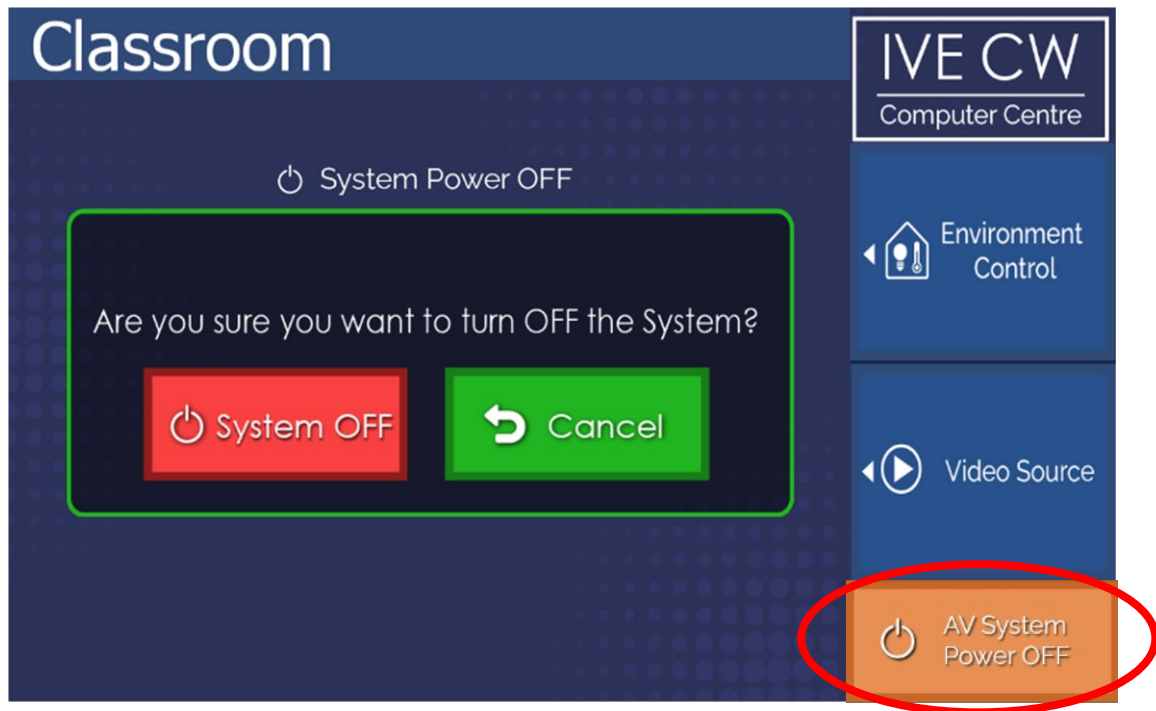
6. Projector Control:



To control in-room projector and projector screen, user can click on “Projector Control” button.

- **Control Power of in-room projector:**
 - Power ON
 - Power OFF
- **Scrolling of the projection screen:**
 - Screen UP
 - Screen Down

7. Shut down for system:



To shut down the system, user can tap “AV System Power OFF” button and tap “System OFF” button on system panel. Lighting of the room will be changed to “ALL OFF” mode automatically. The projector also will switch off and the screen will be scrolled up.

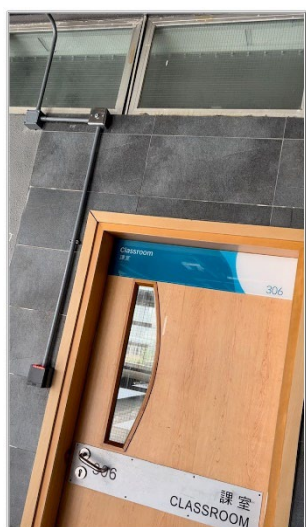
8. Automated mode and Manual mode in Operation

- Automated mode in operation

When user tap staff card to unlock door access, in-room lighting and air conditioners will be turned on automatically.



The door of classroom will be locked by Door Access System at the end of lesson. Sensor will detect body motion in the classroom. When sensor cannot detect in-door motion, Smart Classroom Control System (SCCS) will count down by 15 minutes to activate the switch off process automatically for shutting down all the lights, air-conditioners, projector screen and projector.



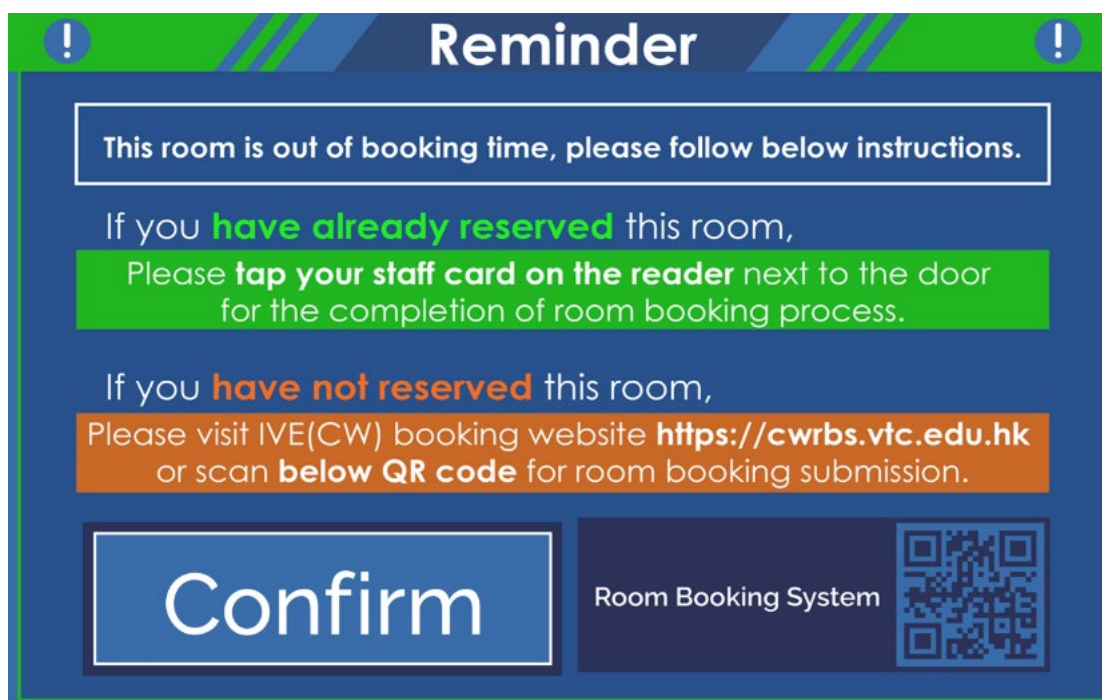
- Manual mode in operation

User can manual control in room lighting and air-conditioners. There are four physical buttons are installed at wall. These buttons are the master control for all lights on/off and all air-conditioners on/off.



9. *Reminder Notice:*

If user forgets to reserve classroom or tap staff card to completion room booking process, Smart Classroom Control System (SCCS) panel will display the reminder notice (as below). User can visit IVE(CW) booking website or scan QR code to sign-in Room Booking System (RBS) for the submission of room booking request. This reminder notice will be cancelled when room booking is completed.



The image shows a digital reminder notice panel with a blue background and green accents. At the top, the word "Reminder" is centered in white. Below this, a white-bordered box contains the text "This room is out of booking time, please follow below instructions." The panel then provides two instructions: one for users who have already reserved the room (tapping a staff card) and one for those who have not (visiting a website or scanning a QR code). At the bottom, there is a large blue "Confirm" button, the text "Room Booking System", and a QR code.

Reminder

This room is out of booking time, please follow below instructions.

If you **have already reserved** this room,
Please **tap your staff card on the reader** next to the door
for the completion of room booking process.

If you **have not reserved** this room,
Please visit IVE(CW) booking website <https://cwrbs.vtc.edu.hk>
or scan **below QR code** for room booking submission.

Confirm

Room Booking System

