Wireless Module for IR COM
User Manual

Beijing Honghe Technology Group

www.honghe-tech.com

目录

RF Wireless Connection 3
Application Installation and Uninstallation 3
    Application Installation 3
    Application Uninstallation 4
Search and bind the Infrared WhiteBoard 5
Calibrate 9

RF Wireless Connection

Step 1: Fix the Infrared WhiteBoard and adjust the Calibrats of the projector and WhiteBoard.

Step 2: Power the Infrared WhiteBoard wireless module with 5V power adaptor attached.

Step 3: Plug the dongle(module) into the computer's USB port.

Attention:

The distance between the dongle(module) and Infrared WhiteBoard must be ≤ 15M and no obstacles shielding electromagnetic wave are allowed.

Step 4: Connect the computer and projector(You can refer to Projector User Manual for more details).

Application Installation and Uninstallation

Application Installation

Before software installation, exit the anti-virus or virus protection softwares in your computer.
Insert the installation disc and double click and you can see the following:

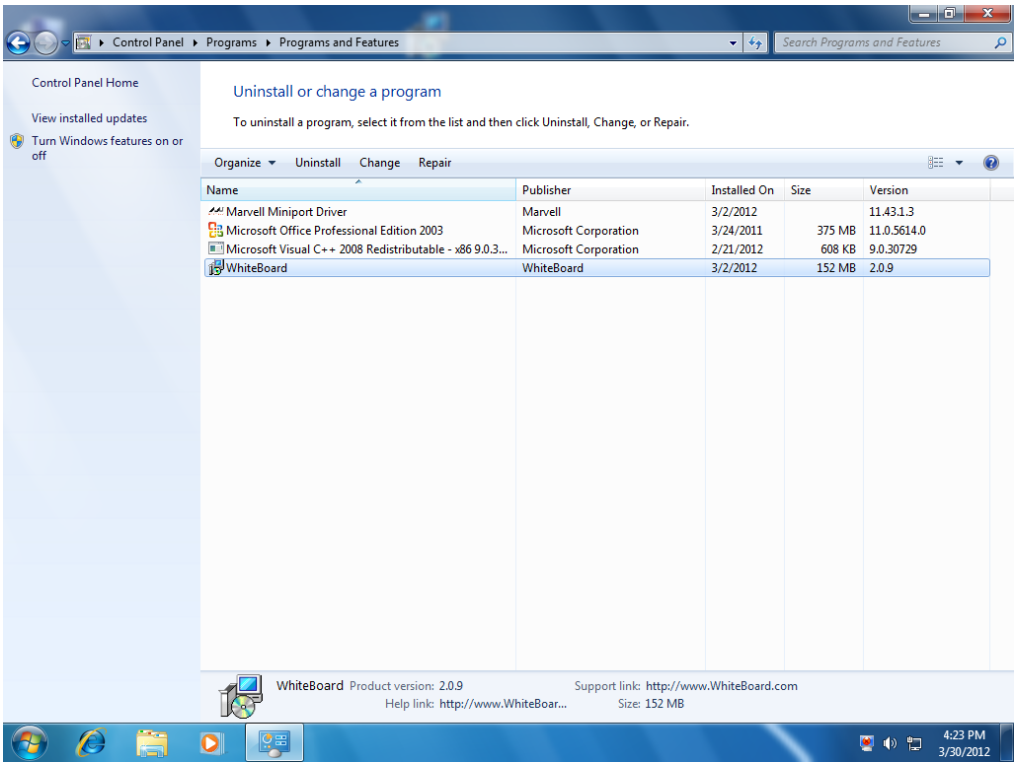
Click 

, follow the instructions and complete the installation of the Infrared WhiteBoard software. For the most comprehensive functions, you can click 

, and complete the installation as the instructions show.

Application Uninstallation

If you are sure to delete the Infrared WhiteBoard software from your computer, click "Programs and Features" in "Control Panel". Choose " WhiteBoard " and click "Uninstall".



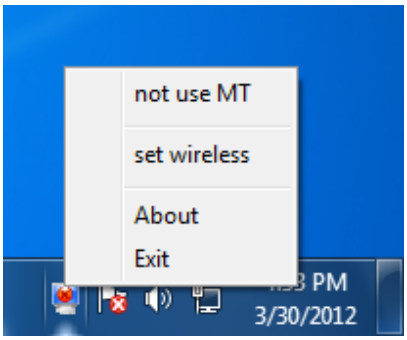
Search and bind the Infrared WhiteBoard

If the Infrared WhiteBoard is with RF wireless connection, the computer should also search and bind the WhiteBoard after application installed.

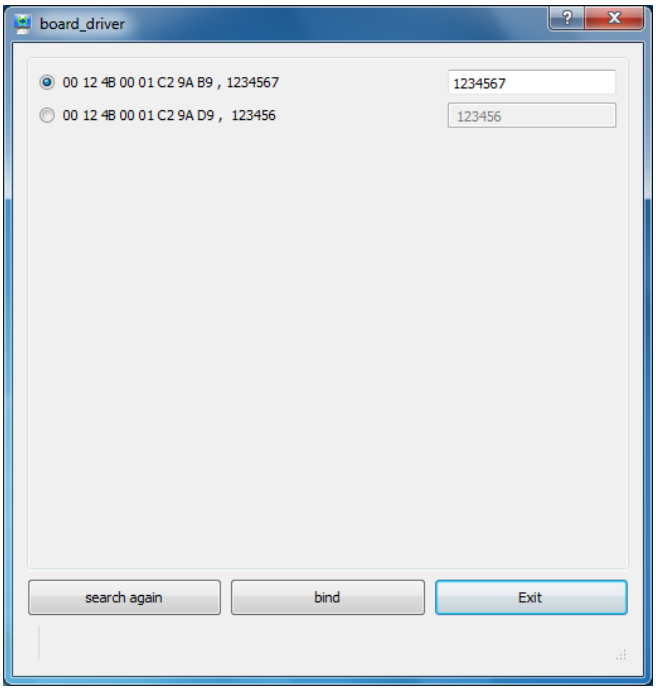
Details are as follow:

Step 1: Make sure all devices necessary are connected and run the drive of Infrared WhiteBoard and you can find the taskbar notification area as follow:

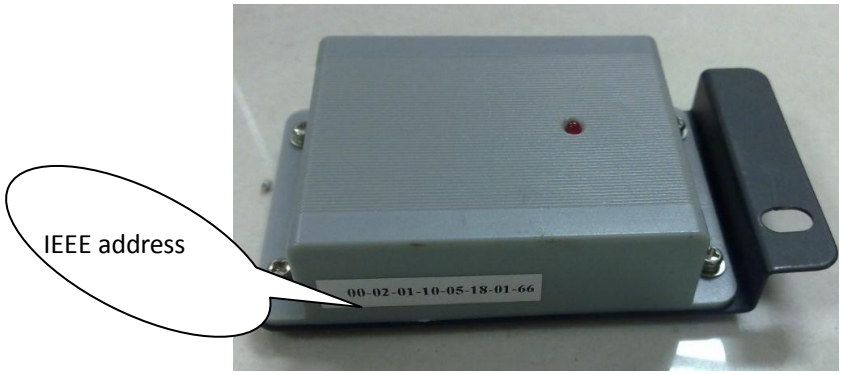
Step2: Click the drive icon in taskbar notification area and choose" Set wireless" as follow:



Step 3: Searching lasts for a while until the IEEE address appears and shows the current WhiteBoard found. If nothing appears, check if the hardware connection is correct or not.



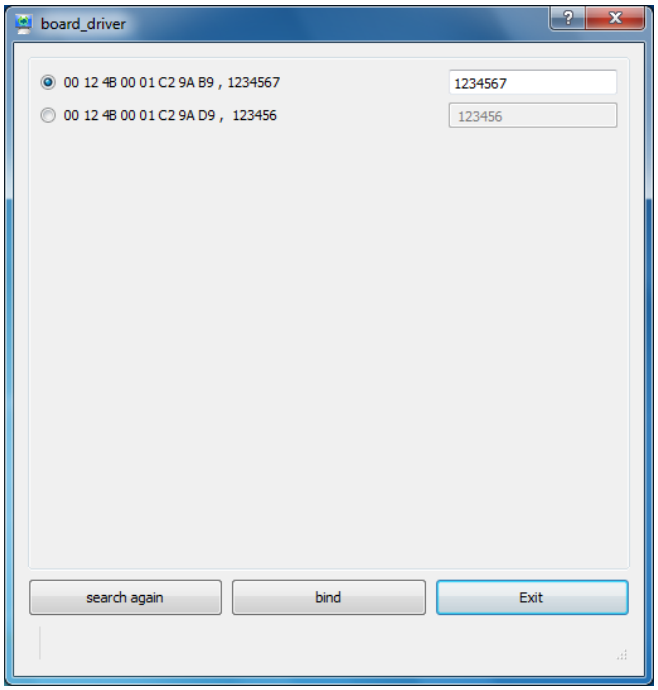
Step 4: Check the IEEE address of the WhiteBoard. The Infrared WhiteBoard wireless module has a label shows its IEEE address.



Step 5: Click and choose the WhiteBoard you want to bind in drop-down menu. For example: The IEEE address of the WhiteBoard you want to bind is 00 02 01 10 05 18 01 66, then you just choose the item 00 02 01 10 05 18 01 66.

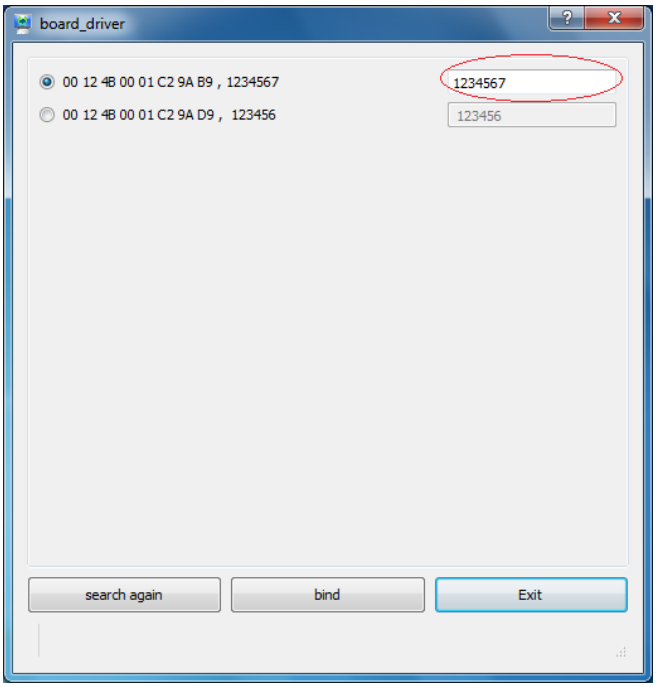
represents the chosen or the current bound WhiteBoard(Bound WhiteBoard is at the top by default).

Attention: Carefully check the IEEE address and must not bind other WhiteBoards or else they will be disconnected.



If you can not find the correspondent IEEE address in the list, click" Search Again". If you can not find the correspondent IEEE address after many times"Search Again", check if the hardware connection is correct or not.

Step 7: The user can define a name for the WhiteBoard in "Message Description" column and click "Bind", then message is successfully input seconds later. The user can only define" Message Description" when clicks the icon and only one item can be successfully defined each time, i.e. the current bound WhiteBoard.

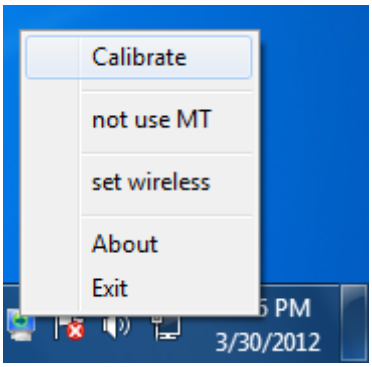


Exit after successfully bound and wait for 15 seconds, the drive icon in the taskbar notification area will turn green from red as follow:

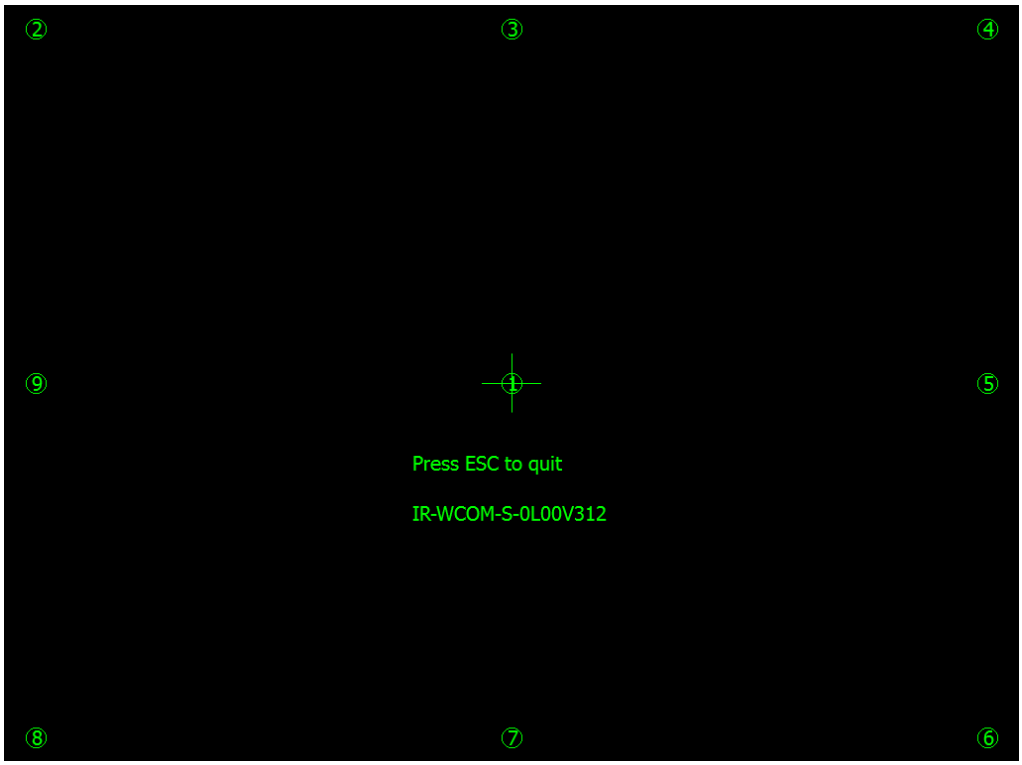
Calibrate

To work normally, the handwriting of the projected image on the WhiteBoard should coincide with the actual one so as to calibrat accurately. The following situations need Calibration.

- The Infrared WhiteBoard is used for the first time
- The drive has been reinstalled
- The calibrat of the Infrared WhiteBoard or projector is changed
- The computer connected to the Infrared WhiteBoard is changed
- The resolution ratio and refresh rate are changed



Click"Calibrate" and the Infrared WhiteBoard will be in Calibration interface as follow:



Step 4: Vertically touch the centre of the flashing "十" with the WhiteBoard pen tip untill the flashing "十" move to the next Calibration point and thus one point is Calibrated. Follow the instructions in the Calibration interface and complete the Calibration of other points and thus the Infrared WhteBoard Calibration is finished.

Notes:

- Wrong Calibration may lead to WhiteBoard not working or abnormal working and this requires reCalibration.
- Pressing "ESC" during Calibration can cancel the current Calibration operation.

There are minor differences between the Calibration interface of different version software. The Calibration, however, is very much the same. For products with shortcut keys, there are shortcut-key Calibration and you just need to follow the instructions.

Trouble-shooting

※For the products with wireless connection, refer to this table.

Solutions to Problems			
Problems	**Appearances**	**Presumable Causes**	**Solutions**
Infrared WhiteBoard is not working	No drive icon on the right bottom of computer	Drive is not started up	Start up the drive
		Drive is not installed	Install the drive
	Drive icon is red	The WhiteBoard is not connected with the computer	Refer to " Set wireless "and search and bind the WhiteBoard.
		The self-checking of WhiteBoard is not successful and can not be connected	Check if there is any other objects pressing on the surface of the WhiteBoard. Remove if any.
		Drive malfunction	Uninstall the drive and reinstall it
		Didn't turn the switch to COM based on the back of the main board of WhiteBoard.	Turn the switch to COM based on the back of the main board of WhiteBoard.
	Drive icon is green	Wrong Calibration.	Refer to instructions above and recalibrat.
Searching and binding WhiteBoard is not successful	Can not find the WhiteBoard	The WhiteBoard is not powered by the 5V power adaptor.	Power the WhiteBoard with the power adaptor attached.
		The dongle is not plugged into the computer.	Connect the computer and dongle with the USB cable attached.
		There are obstacles shielding electromagnetic wave from the dongle and WhiteBoard, e.g. the dongle is placed into iron desk.	Adjust the place of dongle to assure its normal connection with the WhiteBoard.
		The computer is disconnected incorrectly with the WhiteBoard during operation.	Power off the WhiteBoard or dongle and search and bind the WhiteBoard again.
		The distance between the dongle and WhiteBoard is ⩾ 15M.	Adjust the distance between them.
Devices are disconnected suddenly	Drive icon turn to red suddenly during operation	There are many WhiteBoards around and other people have bound your WhiteBoard.	Search and bind the WhiteBoard again and tell others not to bind your WhiteBoard.
		There are electromagnetic wave interferences around such as WIFI, wireless Mic and so on.	Wait for seconds and the drive will be connecting automatically.
		There are obstacles shielding electromagnetic wave from the dongle and WhiteBoard	Remove the obstacles shielding electromagnetic wave.

FCC STATEMENT

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance 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.