

## The ILS14 Lectern - Technical information.



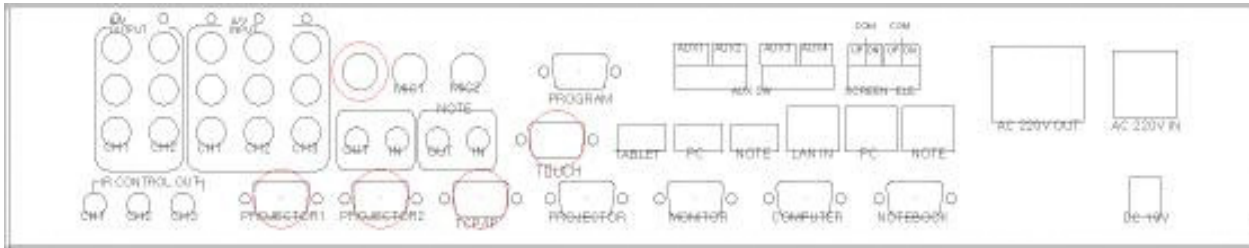
## Components

<b>Lectern</b>	
2ch 700Mhz Wireless Microphone	1
5 Input (3ch mic. 2ch AUX) 1 Output Stereo AMP	1
Notebook interface module	1
LCD Monitor	1
Gooseneck Microphone	1
Controller - 7" LCD Type	1
Speaker (4 Ohm 20 W)	2
Combo (option)	1

<b>Cable &amp; Others</b>	
RGB Cable 1.5m	3
USB Cable 1.5m	4
Mini-stereo Cable 1.5m	4
RCA AV Cable (3:3) 1.5m	1
RCA Audio Cable ( 2:2) 1.5m	1
LAN Cable 1.5m	2
Power Code 1.5m	5
RS -232 Cable 1.5m	1
Power Code 1.5m	5
Adepter 5V 1A	1
Adepter 19V 3.4A	2
Tablet Pen	1
User Manual	1
Driver & Software CD	1

## Controller Specifications

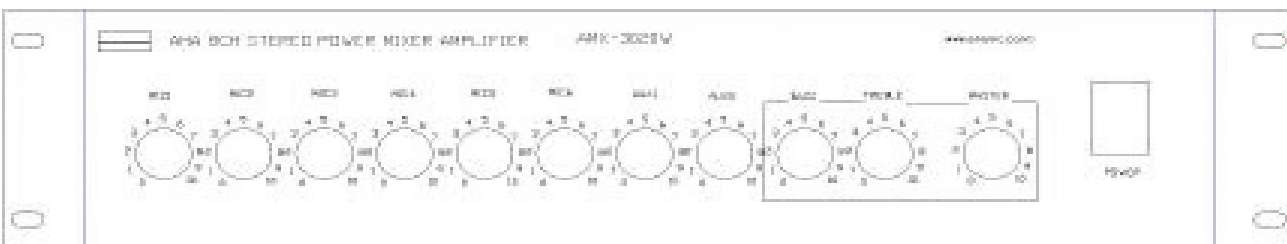
AMC - 6000L



VGA	VGA Input	VGA x 3
	VGA Output	VGA x2
	Signal Type	VGA, SVGA, XGA, QXGA
	Max. Resolution	2048 x1536
	Pixel Frequency	440 Mhz
Sound	Audio Input	Audio x 5
	Audio Output	Audio x 1
	Frequency Response	20 Hz ~ 20 KHz + 1 / -3 dB
Video	Video Input	Video x 2
	Video Output	Video x 2
	Bandwidth	100 MHz
	Return loss	-30 dB; 5MHz
Control	Projector Power Control Port	x 1
	Screen Control Port	x 1
	Serial RS-232 Port	x 1
Other	Power	220 ± 10% 50/60 Hz 5A
	Weight	1 kg
	Size	420 x 84 x 250 mm

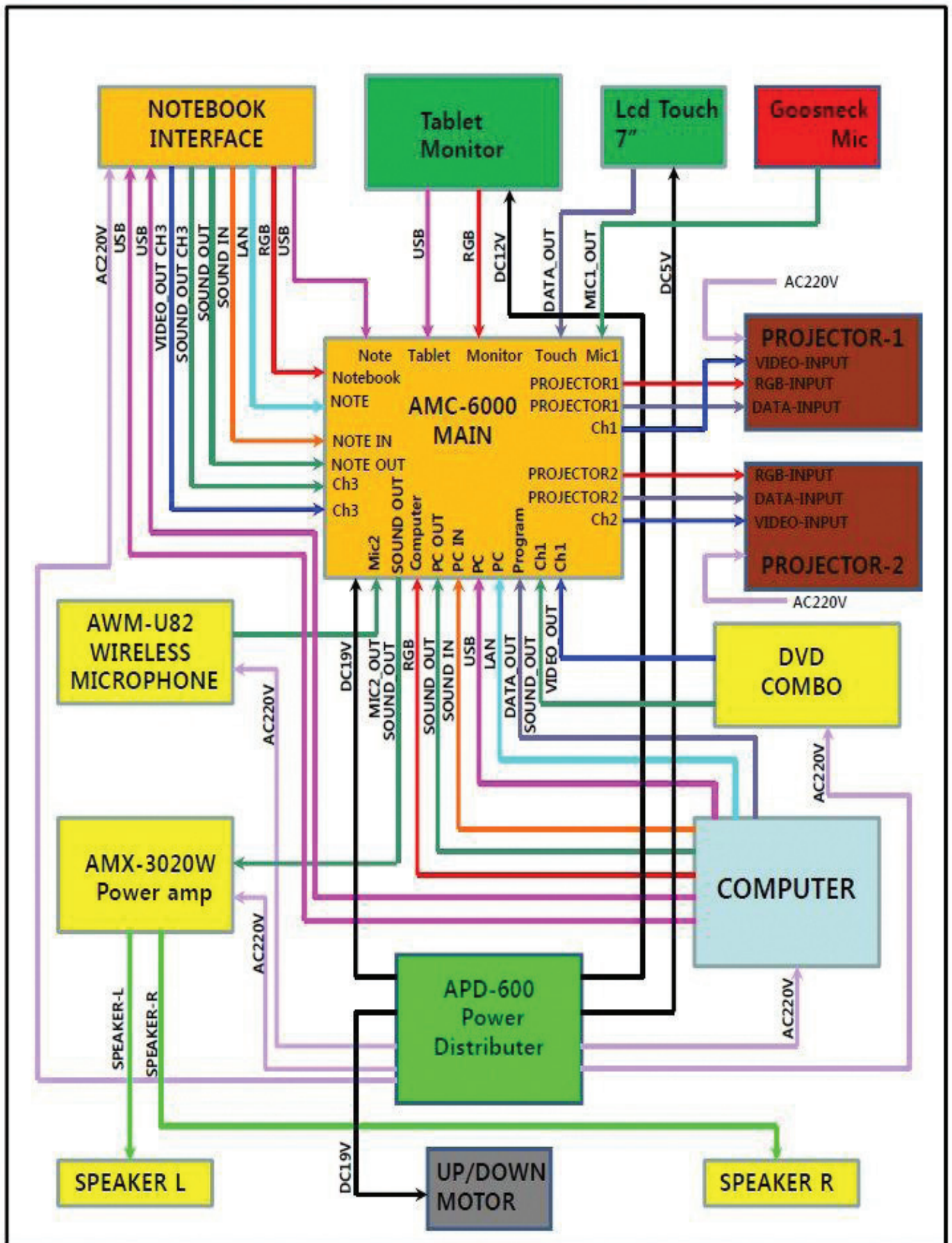
## Amplifier Specification

AMX - 3020W



Maximum power ( 1KHz : THD < 1%) 4ohm	200W+200W
Total Harmonic distortion	<0.05%
Intermodulation distortion	<0.08%
Cross talk (at 1KHz)	< -80dB
Microphone Input Sensitivity 1-6CH	0.8mV at 600 Ohm
Signal to Noise ratio Mic 1-6	Better than 60dB
Auxiliary Input Sensitivity 1-2	100mV at 47k Ohm 700mV
Tone control range	Bass +or -10dB at 100Hz Treble +or -10dB at 10kHz
Main power supply	220 ~ 240V AC at 50~60Hz
Power consumption	280W at rated power
Dimensions (WHD)	420 X 84 X 350 mm
Weight	15.7kg

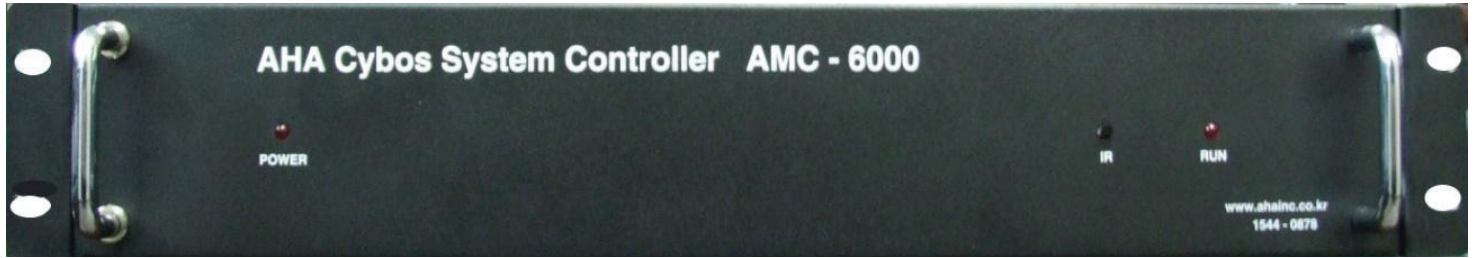
# System Block diagram





# Controller Main, Notebook interface, Control panel

Controller panel



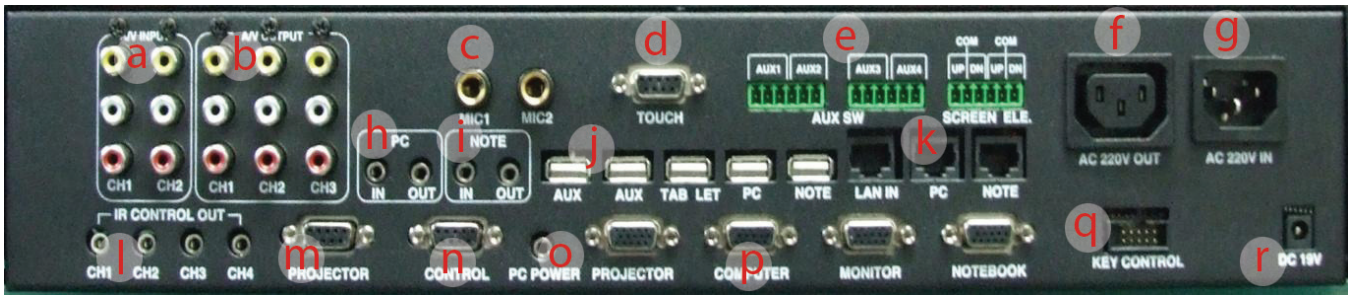
Notebook Interface



7" LCD Control Panel

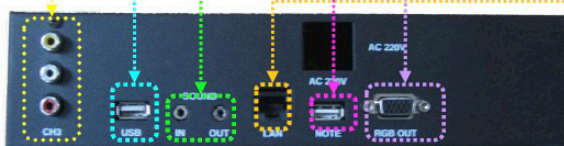
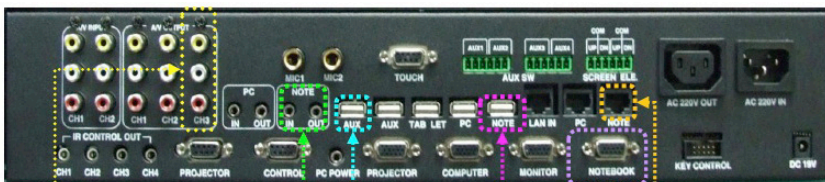


## Controller Back panel



- a** A/V OUT: Video Sound Output port. Connect to Projector & Amplifier.
- b** A/V INPUT : Connect DVD, VCR , Visualizer, etc.
- c** Mic. Input: Connect MIC 1, MIC 2. (MIC1 supports 12V phantom power)
- d** TOUCH : Connect LCD touch screen.
- e** POWER CONTROL: To control external devices power & screen elevation.
- f** AC Out: Security function port. If USB KEY is pulled out, all connected devices go off.
- g** AC In : Supplies power to control AC Out and 220V Devices (screen, elevation).
- h** PC Sound: PC's speaker port is connected to IN port, mic port is connected to OUT.
- i** Notebook Sound : Notebook speaker port is connected to IN, MIC port is connected to OUT.
- j** USB : USB from monitor is to Tablet, AUX port is used to expand at PC. (see configuration)
- k** Others are selector ports of PC and Notebook. Each one connects to PC and Notebook.
- l** LAN : Selector port of Notebook and PC. Main LAN cable is connected to LAN IN, others are connected to PC and Notebook's internet port.
- m** IR Control : for IR signal output.
- n** PROJECTOR : RS-232 port to control projector. (connected to projector)
- o** CONTROL : Connected to PC by RS -232
- p** PC POWER : PC power control port (Connected to PC's power port)
- q** RGB distributor : Distribute RGB signal and output images to monitor and projector (selector function included)
- r** KEY Control : Port connected to keys
- r** Power: 19V 3.16A

## Controller connection AMC - 6000 (Rear panel)

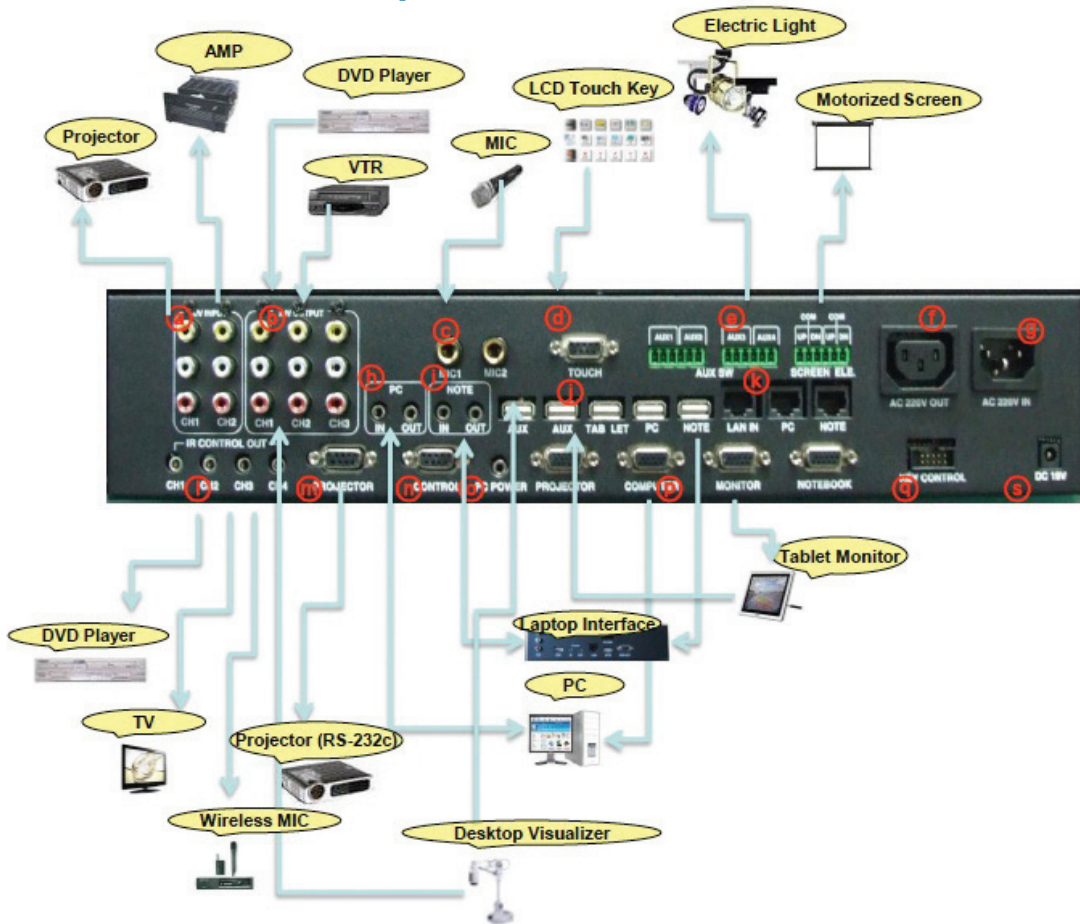


Notebook Interface rear panel



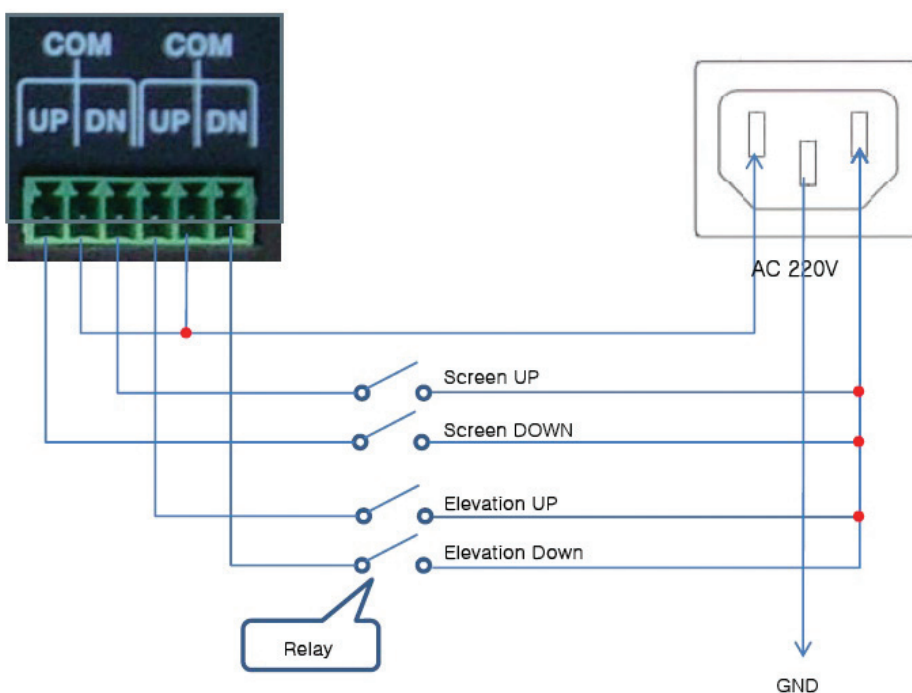
Notebook Interface front panel

## Controller connection layout



## Internal layout for screen and elevation (220V)

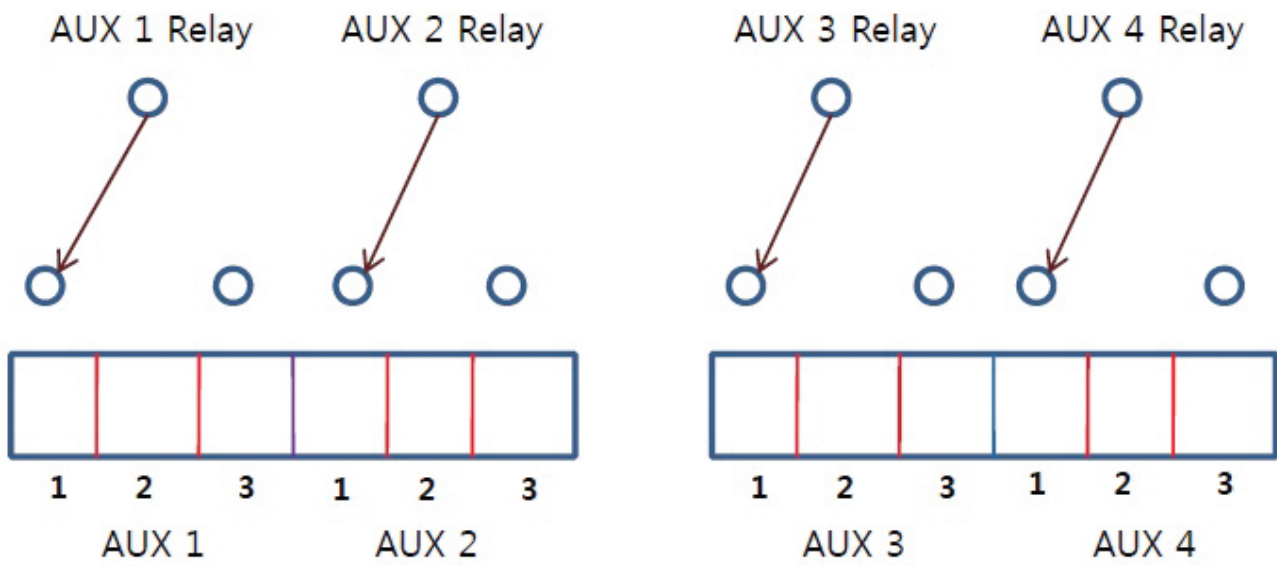
The screen and elevation each have 2 relays.





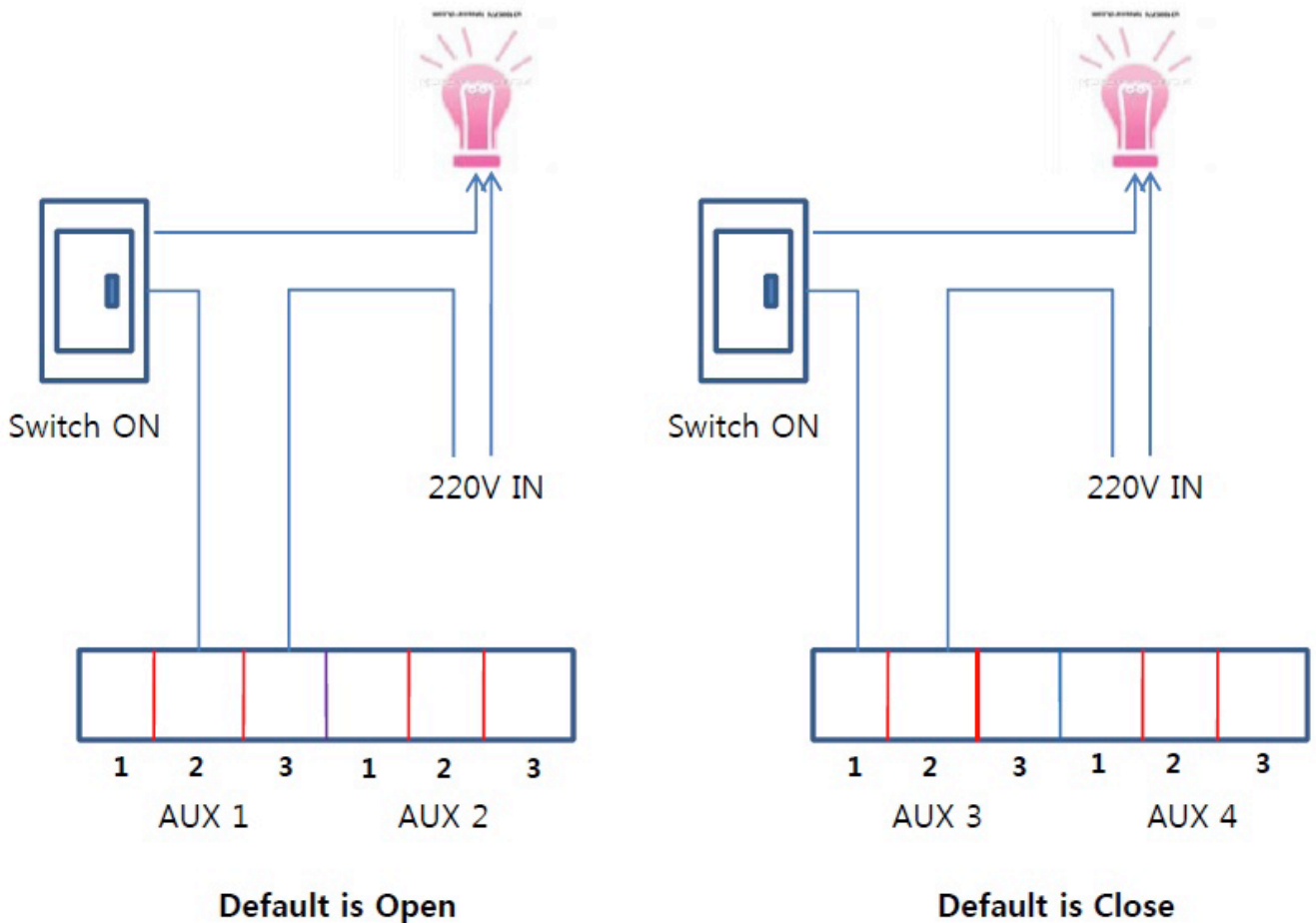
## Electric Light control, Relay default positions.

### AUX Control



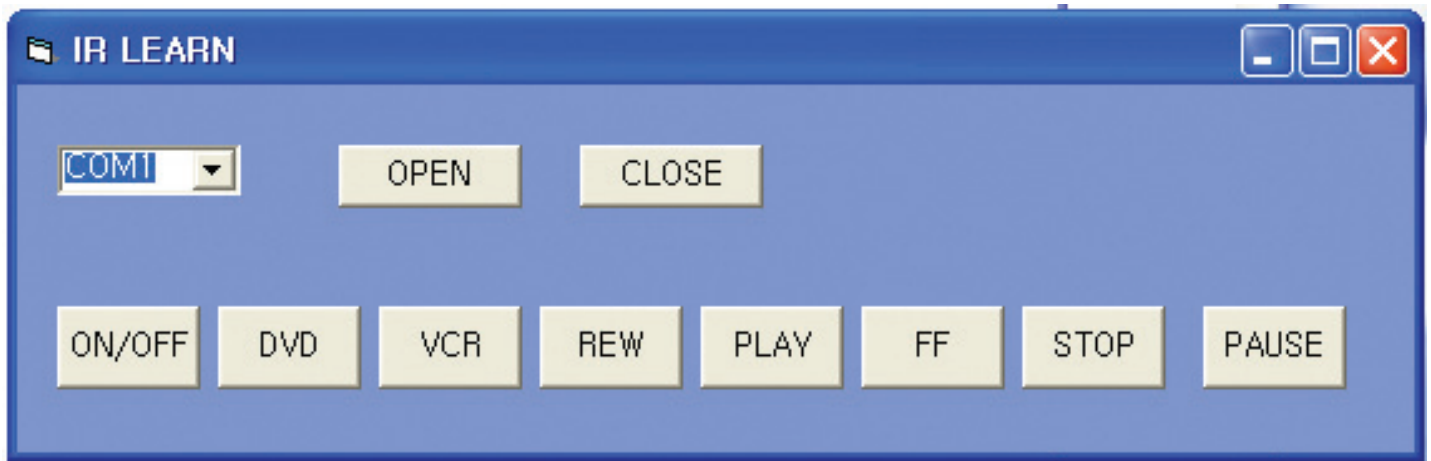
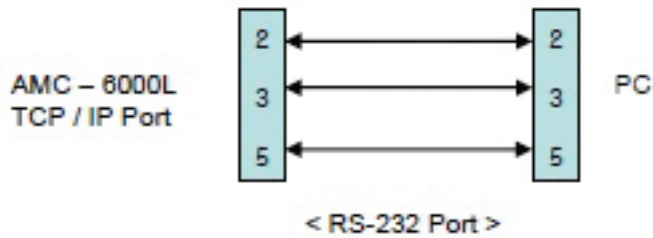
The default is connection 1 and 2

### How to Connect





In order to input IR Learning into the Controller, the PC RS-233 port would be connected with the Controller's control RS-232 port.

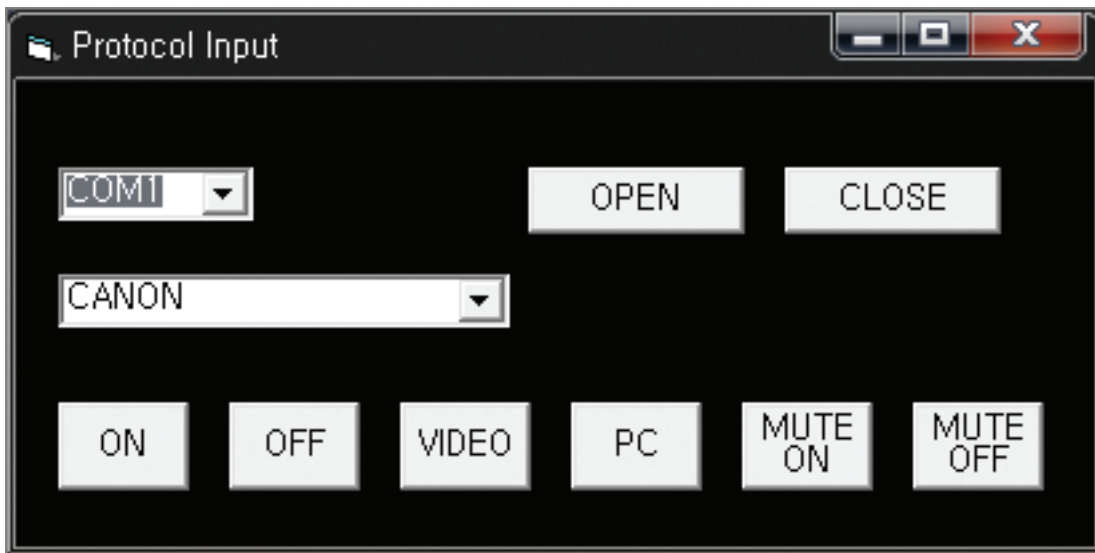
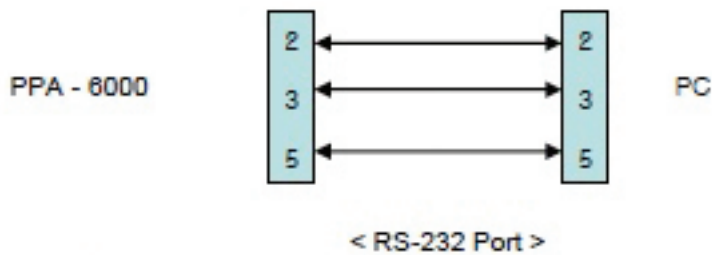


## Sequence

1. First copy vb6ko.dll file in the System32 folder, and install Vbruntimes.  
(If it is not installed, you will get an error.)
2. Next, execute Protocol Input and set the COM Port. (check your PC's port number.)
3. Press the Open button, Program Input LED is lit.
4. On the Window screen, press the ON/OFF button.
5. Press the Remote control's ON/OFF button while you point it at the Controller's IR Receiver.
6. If the input was successful, the LED blinks 3 times. If it wasn't, the LED blinks rapidly.
7. Input other buttons following the above procedure.
8. When all input is completed, use the IR Cable to connect to the Controller's IR Port, and place it near to the IR Receiver you want to control.

## Projector Protocol Input

In order to input Projector protocol into Controller, PC RS-232 port should be connected to the Controller's control RS-232 port.



## Sequence

1. First copy vb6ko.dll to the System32 folder, and install Vbruntimes. (If it is not installed, you will get an error.)
2. Next, execute Protocol Input and set COM PORT. (check your PC's port number.)
3. If you press the OPEN button, COM PORT opens. If the PORT setting is wrong, an error message is displayed. In this case, open the device manager and recheck the port before resetting.
4. Select your Projector.
5. If you press the next protocol button, a matching LED flashes. While the protocol is being input, do not press any other button, and wait until the LED stops flashing. If an other button is accidentally pressed, the next button input can not be made. In this case, connect the power again and proceed with the input.
6. After all input is completed, press CLOSE button to close COM PORT.