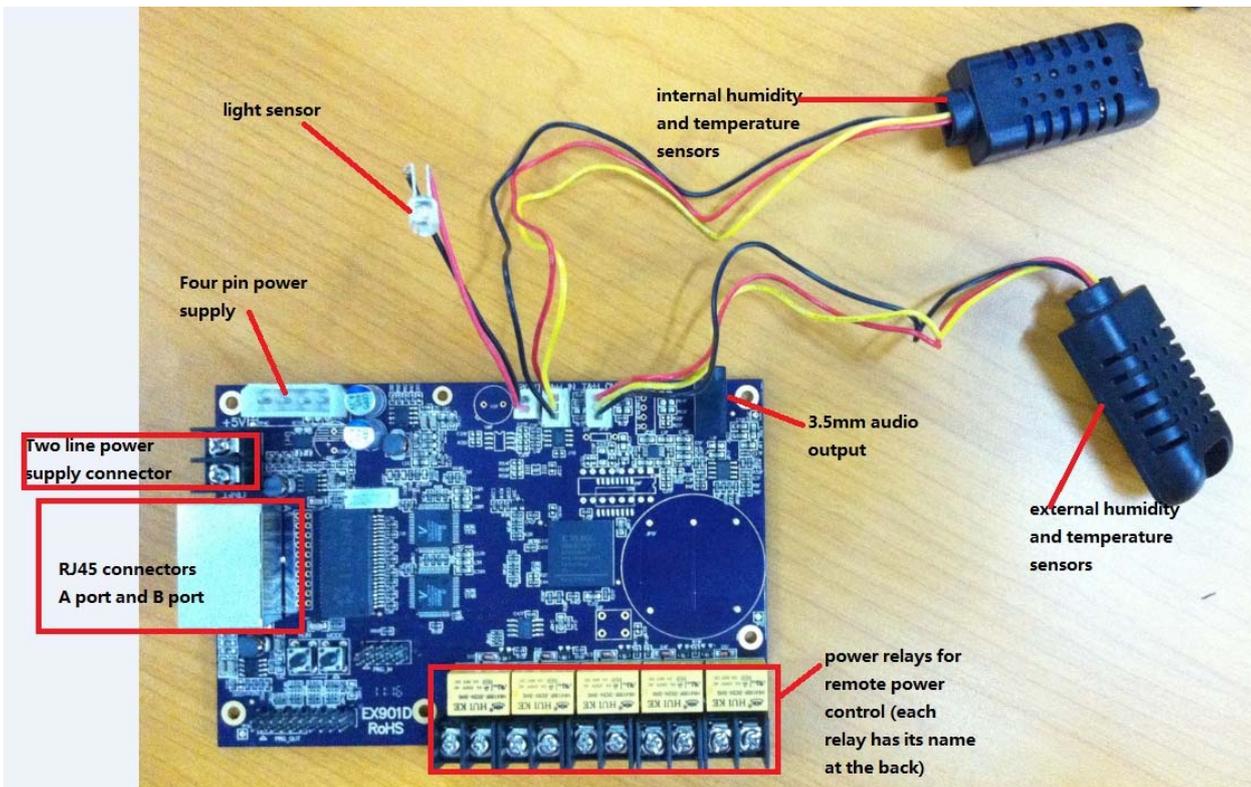


Function Board Specification

EX901D Functions:

1. LED Display Brightness Automatically Adjustment (Page2 to Page5)
2. Internal and External Humidity and Temperature Detection (Page6 to Page7)
3. Audio Data Output (Page 1)
4. Remote Power Control (Page 7)

Interface of EX901D



Power supply: 5V DC by four-pin power connector or two-line power connector

Data input/output: network cable connector RJ45

Light sensor: extended to where the environment brightness condition is well detected.

3.5mm audio output: audio data output

This function needs 802 Sending card. (Audio data input to 802 3.5mm audio port)

The audio data comes into EX901D with network cable RJ45.

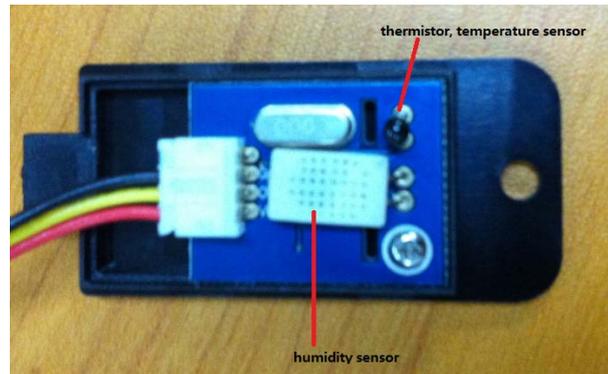
Power relays: working with AC contactor, to remote control the power on/off

Internal humidity&temperature sensor:

Detecting the cabinets humidity and temperature condition

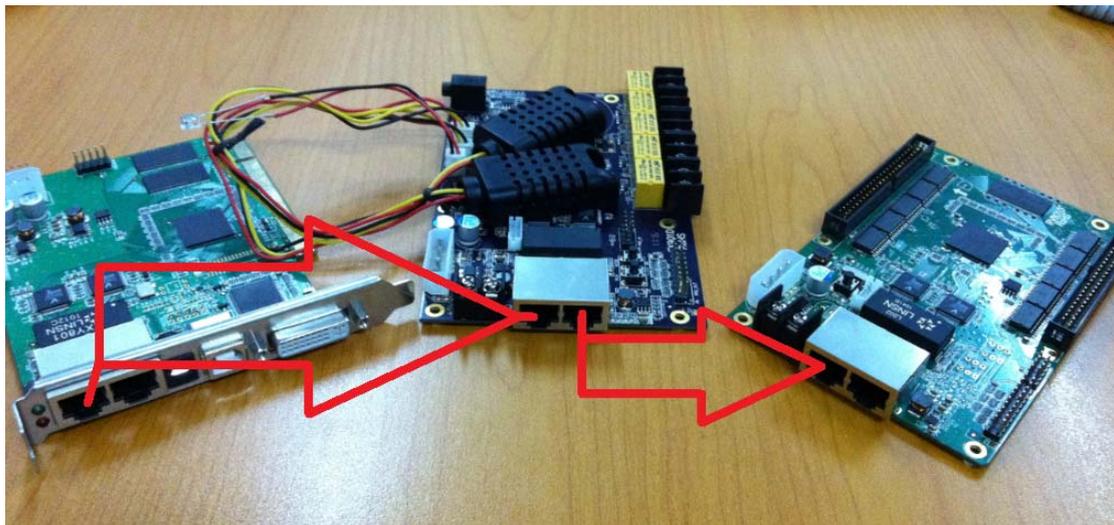
External humidity&temperature sensor: (can be extended)

Detecting the environment humidity and temperature condition



Connection: Placed between sending card and first receiving card. Usually near the led display side.

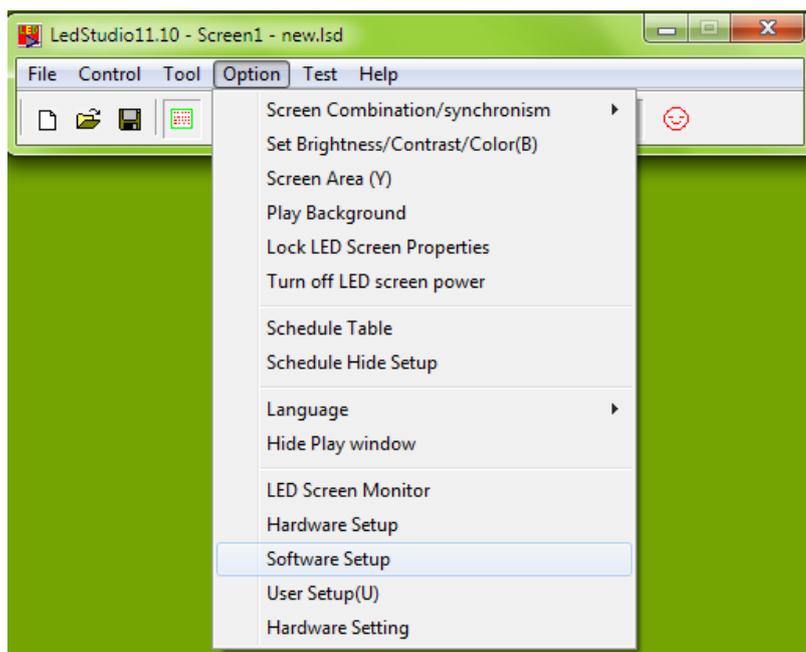
Each card can transmit signal to 140meters by network cable

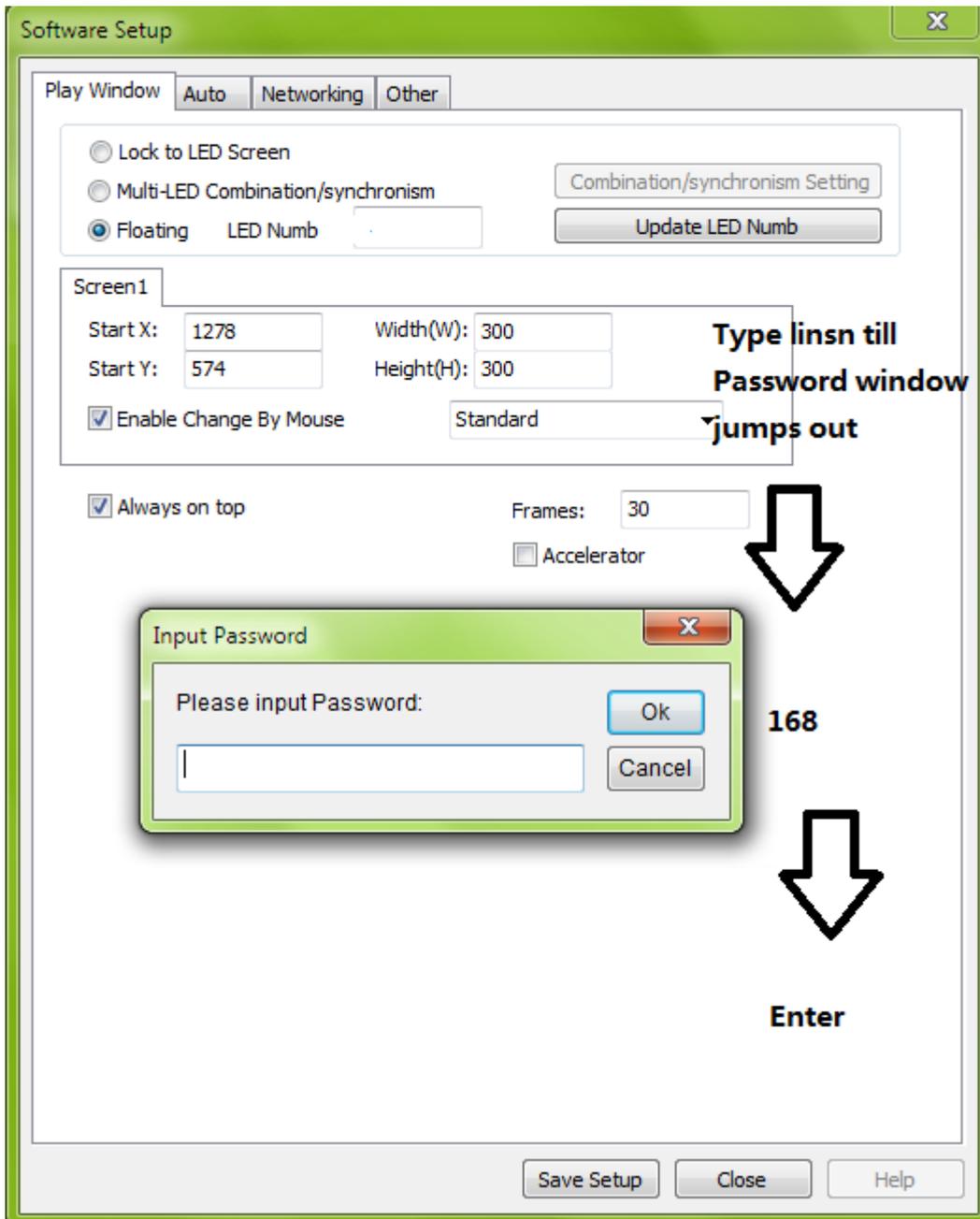


Note: one sending card works with ONLY one function board.

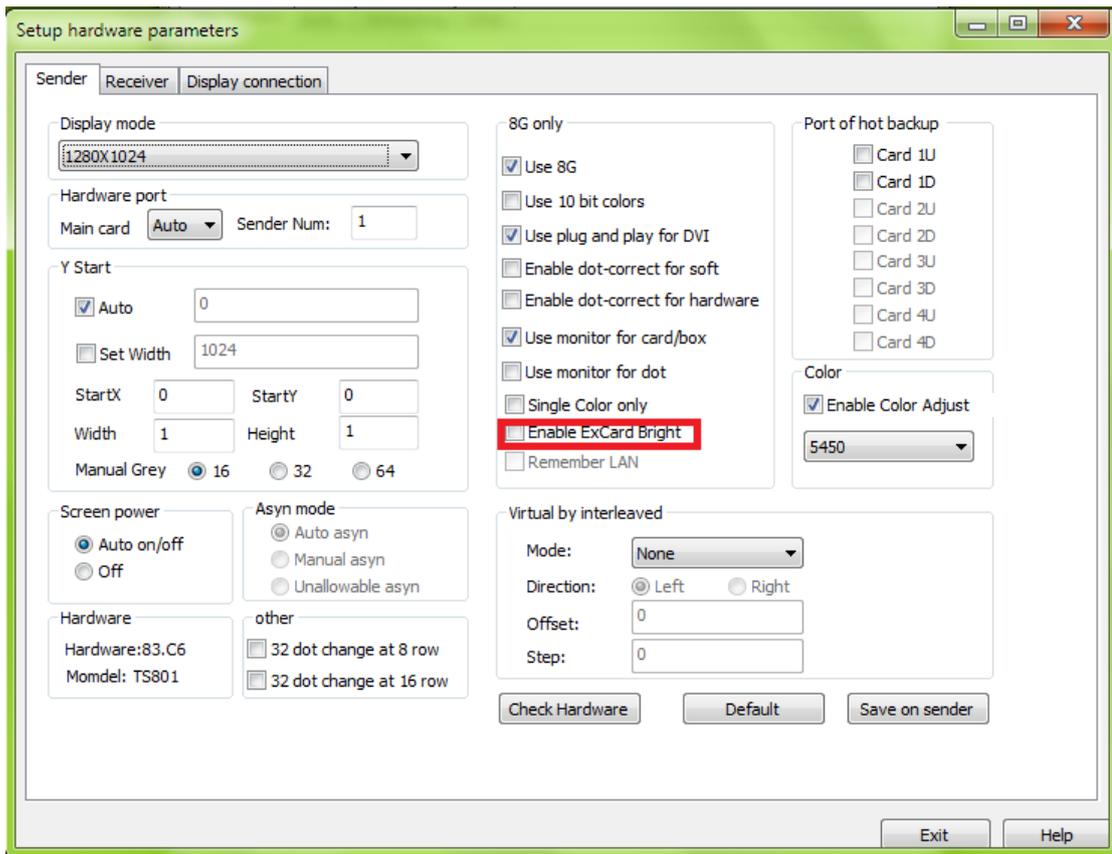
To Enable EX901D Auto Brightness Function:

1. Open LedStudio, Option, Software Setup

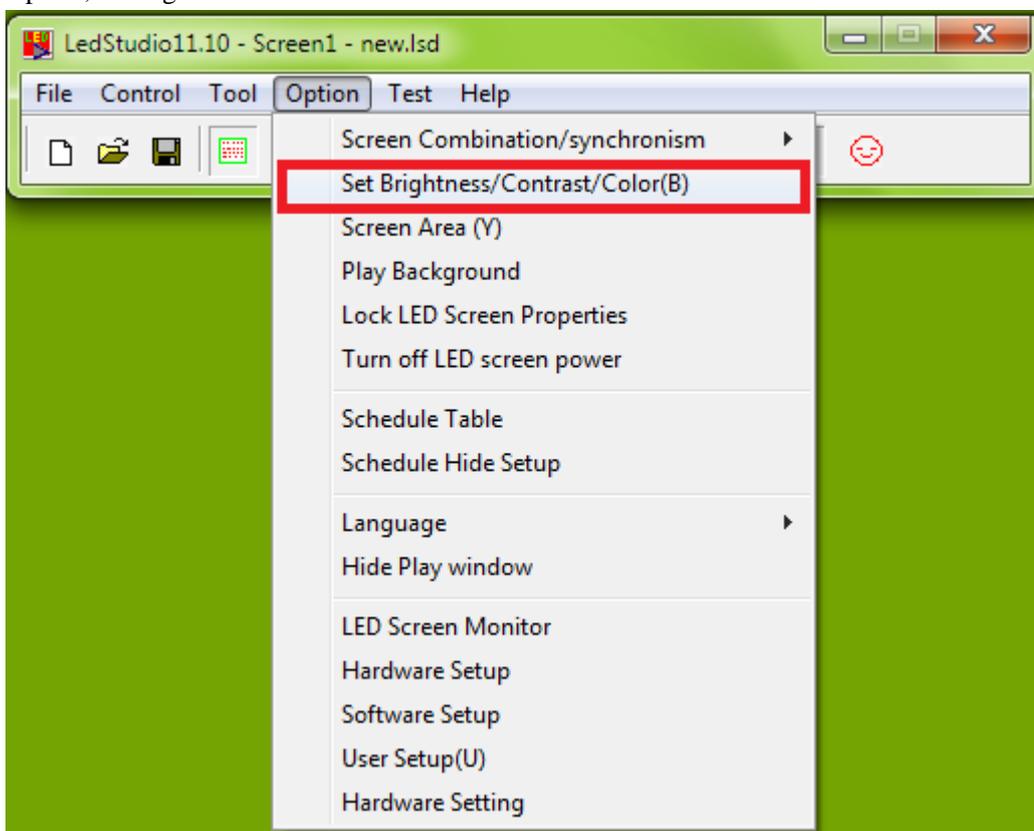




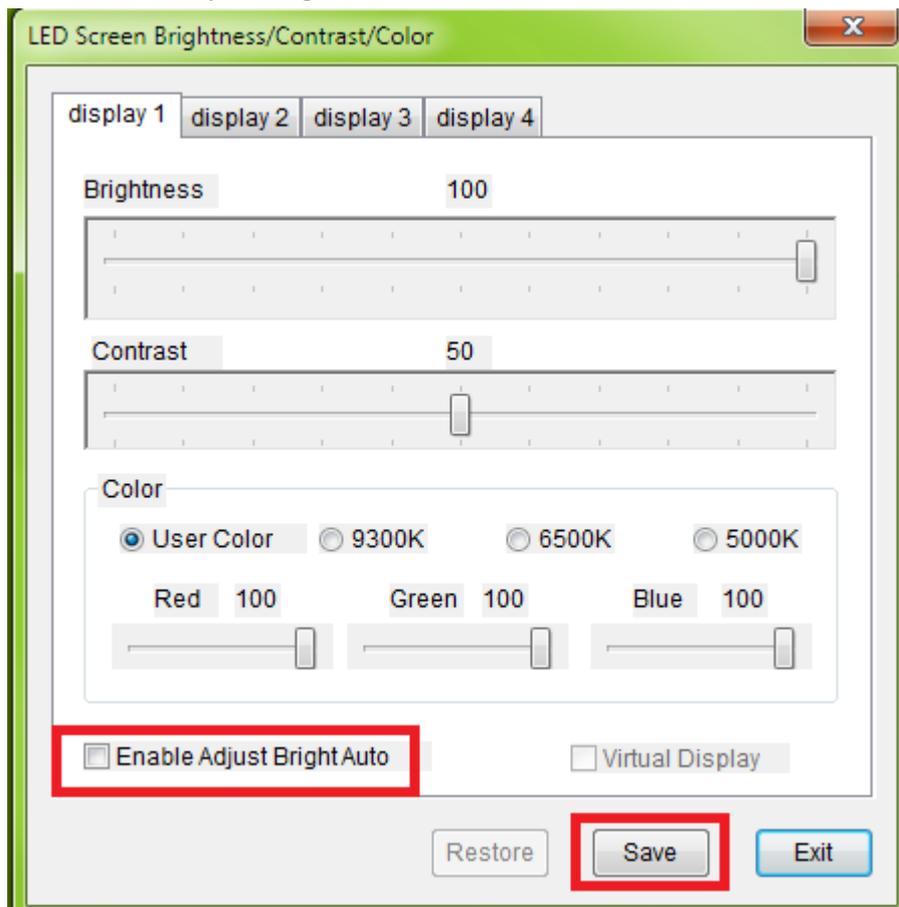
Enter **Sender** tag, select **Enable ExCard Bright**



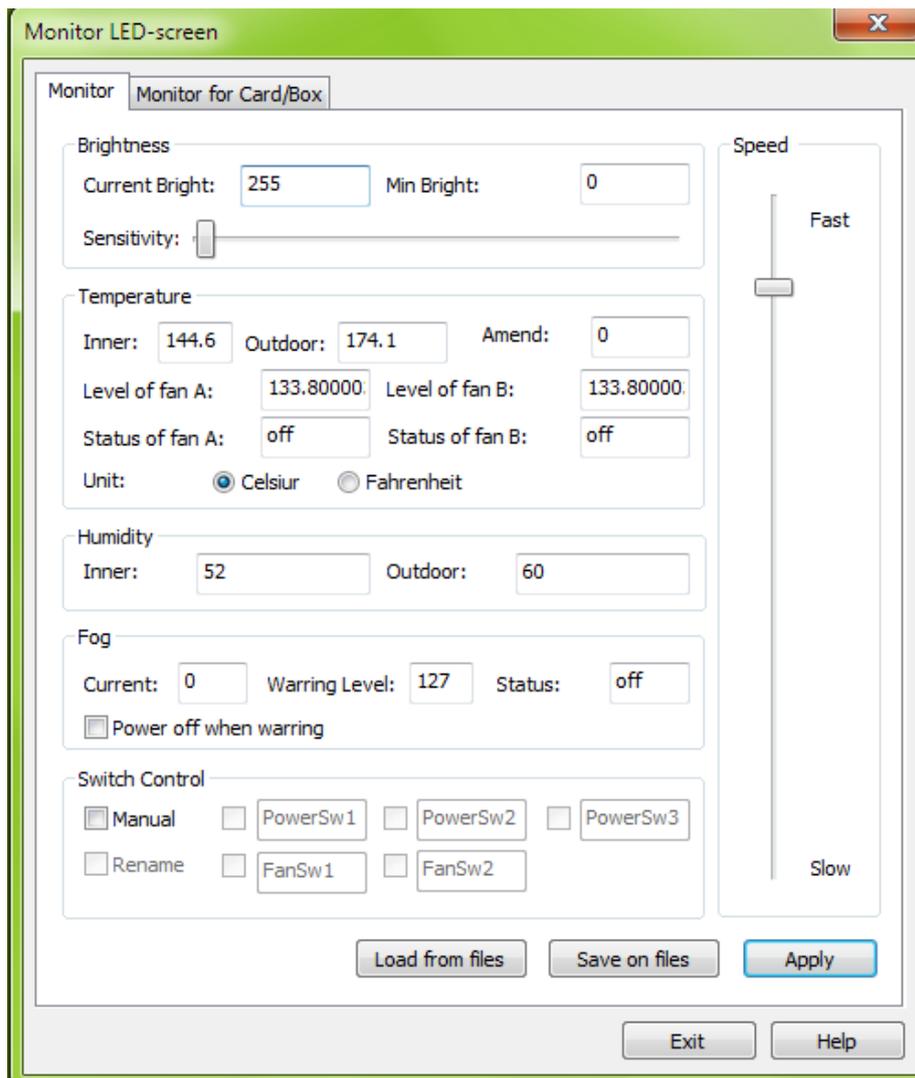
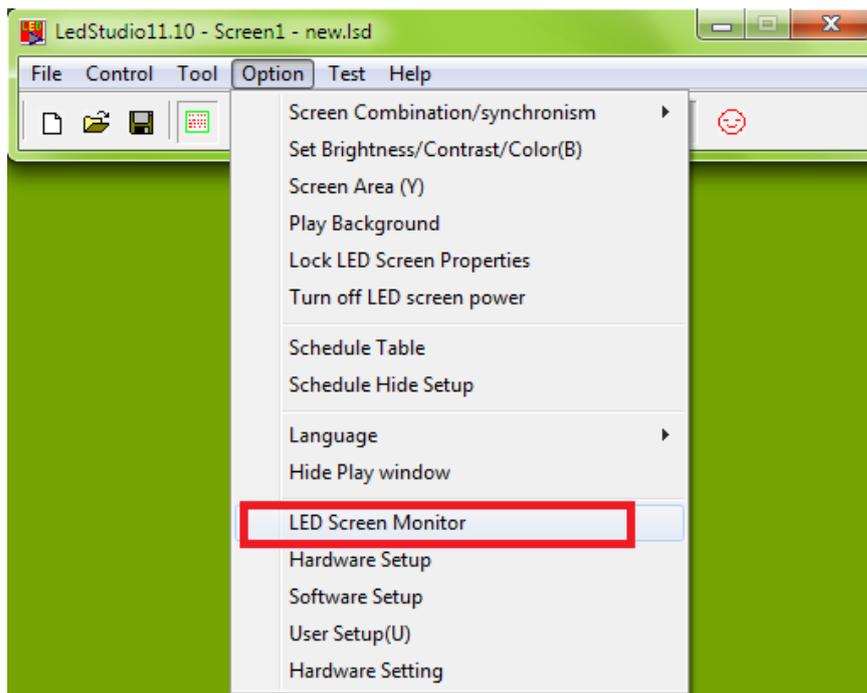
2. Option, SetBrightness/Contrast/Color



Select **Enable Adjust Bright Auto**, click **Save**



EX901D card control panel: Option, LED Screen Monitor



Brightness:

Current Bright: the brightness read by external light sensor,

Min Bright: set the minimum brightness for auto brightness adjust.

Sensitivity: set the sensitivity for light sensor

Temperature:

Inner: the temperature detected by Internal temp sensor

Outdoor: the temperature detected by External temp sensor

Amend: if detected temperature differs to the environment temperature, amend the value.

Level of fan: Set the temperature value to activate the fan relays of Ex901D. Temperature is detected internal temp sensor

Status of fan: on/off

Humidity:

Inner: Internal Humidity Value

Outdoor: External Humidity Value

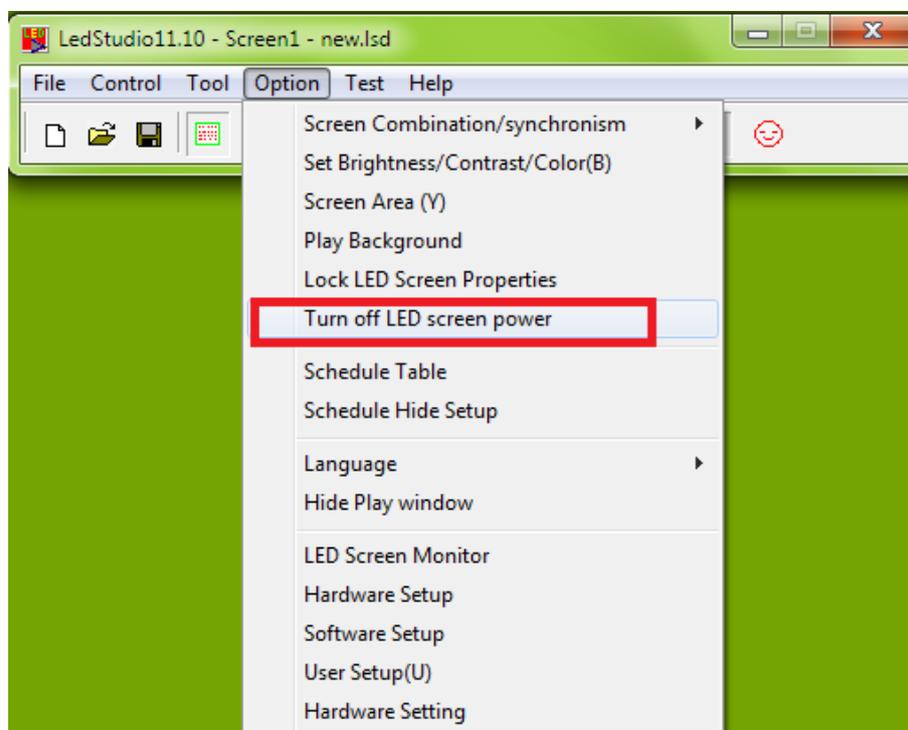
Fog function is **not** ready.

Switch Control

Manual: Manually control the on/off of power relays

Rename: rename the relays names

Turn off LED screen power: Turn on/off relays (Power1, Power2, Power3) together



Note: when **Manual** Switch Control enable, the **Turn off LED screen power** will automatically disable.

END