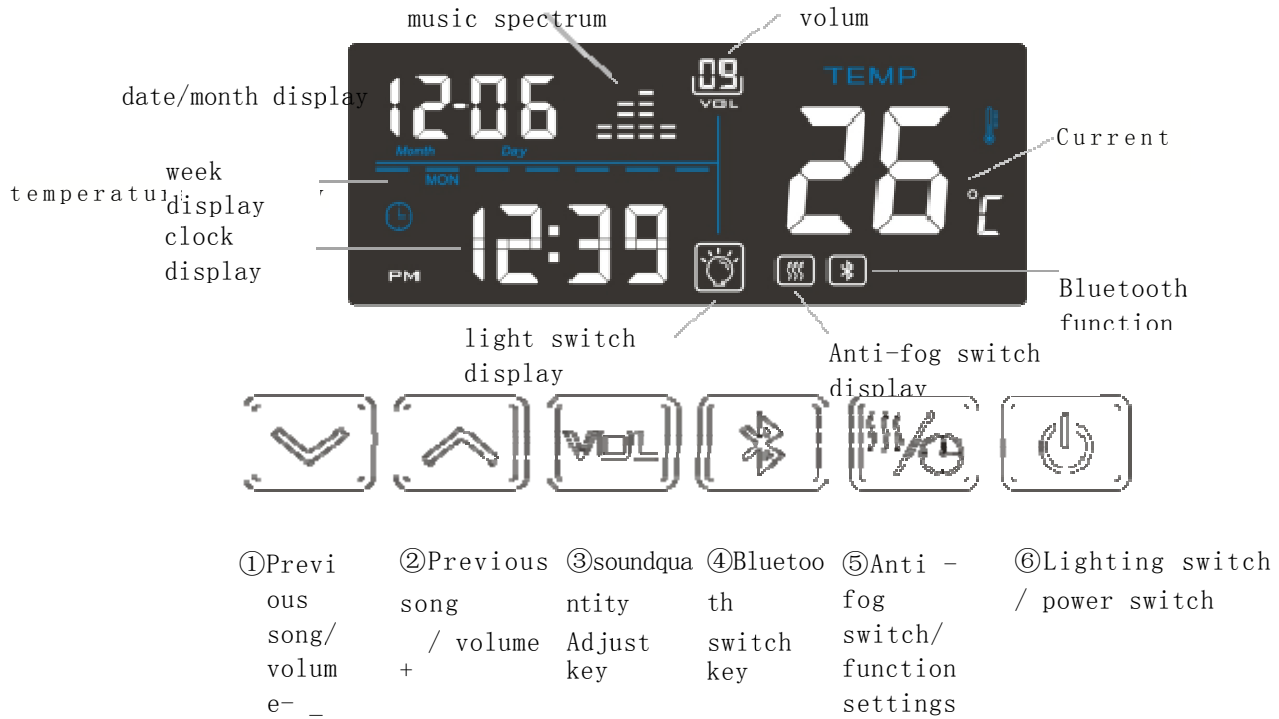


K 301 5 CBS - SXMirror Touch Controller

——Instruction Manual



This product is 6Key Mirror Touch Controller Module with 3.7__inch black background segment LCD screen , installed on the glass mirror to achieve touchcontrol switch operation, providing a current of up to 4A. The lighting switch and one anti-fog switch that can drive a relay can be connected to LED lighting fixtures. And anti-fog film to achieve independent switch control . It can display content such as time , date , room temperature and switch status , and has built-in high-quality Bluetooth playback. release function .

1. Features : _

1. Using high-quality touch chip , the keys are sensitive and reliable , and super anti-interference ;
2. Lighting and anti-fog **independent** button control , real-time display of time, date and temperature , simple and practical ;

3. LCD screen with white characters on a black background ,the display effect is very clear and beautiful , and it shows the high-end quality of the product ;

4. A variety of lighting control mode options, optional dimming and color temperature function ;

5. Support _12/24__Hour system switching , Celsius °C / Fahrenheit °F switching ;

6. Automatic night mode, night time 22 : 00 - 06 : 00 The display brightness is automatically reduced during the time period to reduce the discomfort of dazzling eyes at night .

7. High-quality Bluetooth playback function , low distortion , sweet and melodious sound ;

8. Chord key tone , more pleasant to hear .

2. Technical Specifications :

project	Specifications	project	Specifications
working voltage	DC12- 24V	display	3.7 _inch LCD segment screen
Working current	75mA(Max)/DC12V	Display method	white on black
switch current	4A(Max)	Display content	time ,date, day, temperature
Switching power *	4 8W/DC12V	time format	12/24 hour clock (can be set)
Touch Type	capacitive touch	temperature unit	Celsius/Fahrenheit(can be set)
Key backlight	cool white light	Dimming function *	5% to 100% (optional)
Support specular thickness	5mm	Color temperature function *	cold light-Natural light - warm light (optional)
Anti-fog function	Supports driving relay switches	Bluetooth playback	bluetooth _4.0
Dimensions	1 65*88*17.5mm	Amplifier output	3W@ 4Ω × 2
* The function of dimming and color temperature varies according to the specific model , please refer to the following detailed model and function comparison .			

3. Operation instructions : _

1.lighting control

K6 It is the lighting control key , which can turn on and off the lighting or adjust the brightness and color temperature , as shown in the following table

Model	Function and operation instructions
K3015 CBS-S1	A short press can turn on / off the LED light , and a long press when the light is on is invalid .
K3015 CBS-S2	Short press to turn on / off the LED light , long press to adjust the brightness of the LED light steplessly .
K3015 CBS-S3	Short press to cycle 'cold light - warm light - off lights', long press when the light is on is invalid .
K3015 CBS-S4	Short press to turn on / off the LED light , long press to adjust the color temperature of the LED light steplessly when the light is on .
K3015C BS-S5A	Short press to cycle 'cold light - natural light - warm light -

	off light', long press to adjust the brightness steplessly when the light is on .
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2.Anti-fog control (optional feature)

dogK5The anti-fog can be turned on or off; (the anti-fog switch has a timed off function, after the anti-fog function is turned on, more than60minutewill automatically close)

Note : The anti-fog function is automatically detected and turned on , and the anti-fog switch must be connected to the anti-fog load and then powered on .

3. Set operation

In the normal standby state (Bluetooth function is turned off), K5 long press 3 seconds to enter the setting mode , at the same time the screen displays "24H r " and blinking , indicating that the default is twenty four Hour system , by short press K1 / K2 " 12Hr " or " 24Hr " can be selected .

short press again K5 Enter the hour digit adjustment , the hour digit of the time displayed on the screen flashes , at this time, press K1 / K2 Adjustable hours bit . (A M 12 ~ 11 - P M 12 ~ 11 or 0 ~ 23 cycles)

short press again K5 Enter the minute digit adjustment , the minute digit of the time displayed on the screen flashes , at this time, press K1 / K2 Adjustable minutes bit . (00 ~ 59 cycle)

After the time adjustment is completed, short press again K5 Enter the date adjustment, first display the year and flash, at this time by short press K1 / K2 can be year of adjustment ;

Short press again after confirming the year K5 Enter the month adjustment , the month digit displayed on the screen flashes , at this time, press K1 / K2 adjustable month position ;

Short press again after confirming the month K5 Enter the date adjustment , the date digit displayed on the screen flashes , at this time, press K1 / K2 Adjustable date bits .

After confirming the date , short press K5 again to enter the temperature unit selection , and the temperature unit displayed on the screen flashes . K1 / K2 Adjustable to " °C " or " °F " .

In setup mode, no key operation 5 seconds, it will automatically save the current settings and exit the setting mode , returning to the normal standby state .

4. Bluetooth playback function _

short press K4 key to turn on the bluetooth function, the " B t === " scroll bar will be displayed in the digital area on the upper left of the display , indicating that the blue The tooth is starting up . After the speaker emits a "beep beep" music tone , the screen displays the Bluetooth icon and flashes , and the Bluetooth function is fully functional at this time. Turn on and enter the searchable state, turn on the Bluetooth function of the mobile phone and search for the device name of " K 3015 C " to connect , the connection is successful

Press during playback K1 key to switch to the previous song, press K2 key to switch to the next song ;

Press **K3** during playbackkey until the volume icon at the top of the screen flashes, you can press **K1**key or **k2**key to adjust the playback volume .no action3After a few seconds , the volume icon stops flashing and returns to the normal standby state ;

5. Night Mode

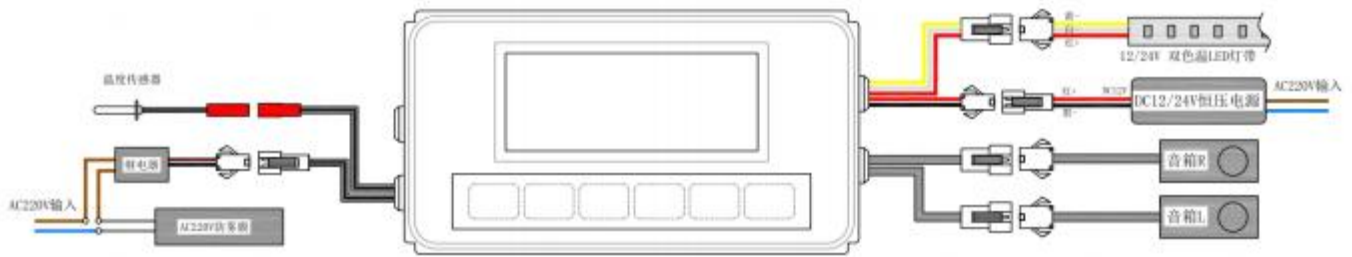
This product comes with a night mode, the LCD screen will automatically switch to a low brightness state in the middle of the night , so as not to display too bright at nightdazzling. Specifically **06:00_ _to 22:00_ _**Point is **100 %** brightness , **22:00to 06:00_ _**Reduce it to **10%** brightness .

In night mode , when there is an operation , the display will return to normal brightness , and when there is no operation for more than**10**After seconds , it will turn to low light againdegree display .

6. The whole machine turns off the screen and sleeps

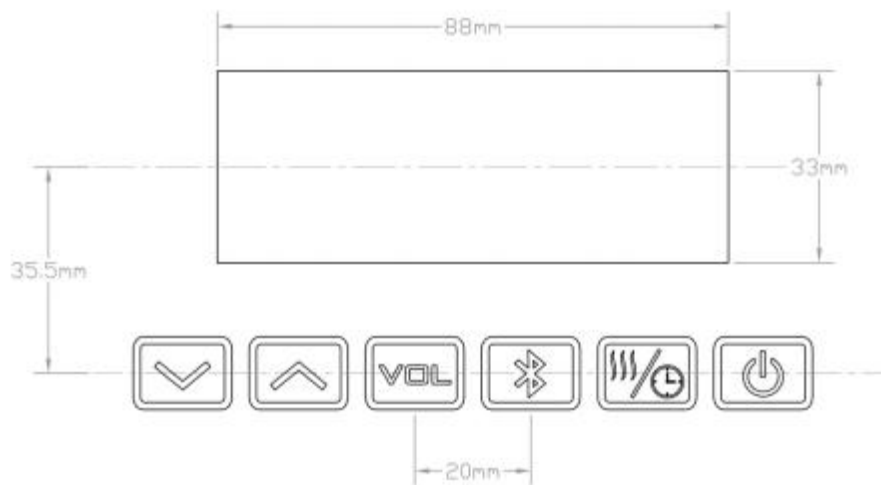
When you need to completely turn off the screen display, you can press and hold when the lighting is off.**K 6**key**3**seconds to turn off the screen displayand enter the sleep state, short press again**K6**key to re-awaken into normal standby state .

4. Application wiring diagram



*Note : When connecting to a single color temperature light strip , please ignore the yellow line

Five , laser marking diagram reference



6. Installation steps

1. First, use a laser to make a transparent window on the mirror , the size is as shown above (vector files can be obtained) ;

2.Put the positioning plate on the back of the mirror in the correct direction, and the display frame corresponds exactly to the mirror transparent window ;

3. Tear off the red film of 3M glue on the bracket , and stick it on the back of the mirror according to the designated position of the positioning plate ;

4. Remove the positioning plate , install the product on the bracket, and press it in place to complete ;

5. Put glass glue or organic silica gel around the bracket to ensure the installation is firm .

Seven , matters needing attention

1.When installing and wiring, be sure to take anti-static measures to avoid damage to the sensitive components inside the product ;

2. Please handle with care when installing to avoid external force causing damage to the LCD screen and making the product unusable ;

3. When installing, please ensure that the key board is in reliable contact with the mirror surface , otherwise it will affect the key sensitivity ;

4. mounted on the mounting bracket 3M Adhesive stickers , only for temporary fixed use , cannot guarantee long-term sticking reliability , actual installation Please be sure to put a circle of glass glue or silicone around the bracket to fix it .

FCC statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause interference.
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

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 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.