



DMX POWER SWITCH CONTROLLER

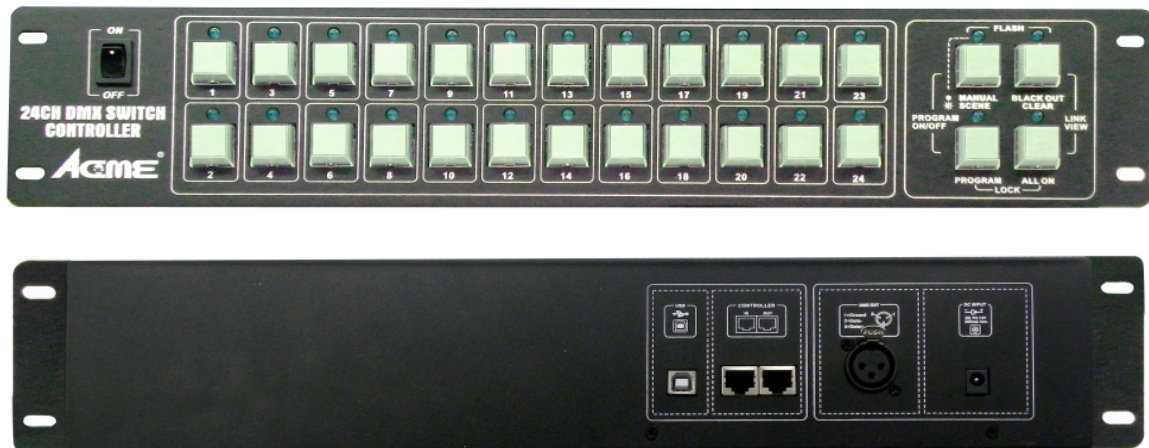


CA-24D

User Manual

Please read the instructions carefully before use

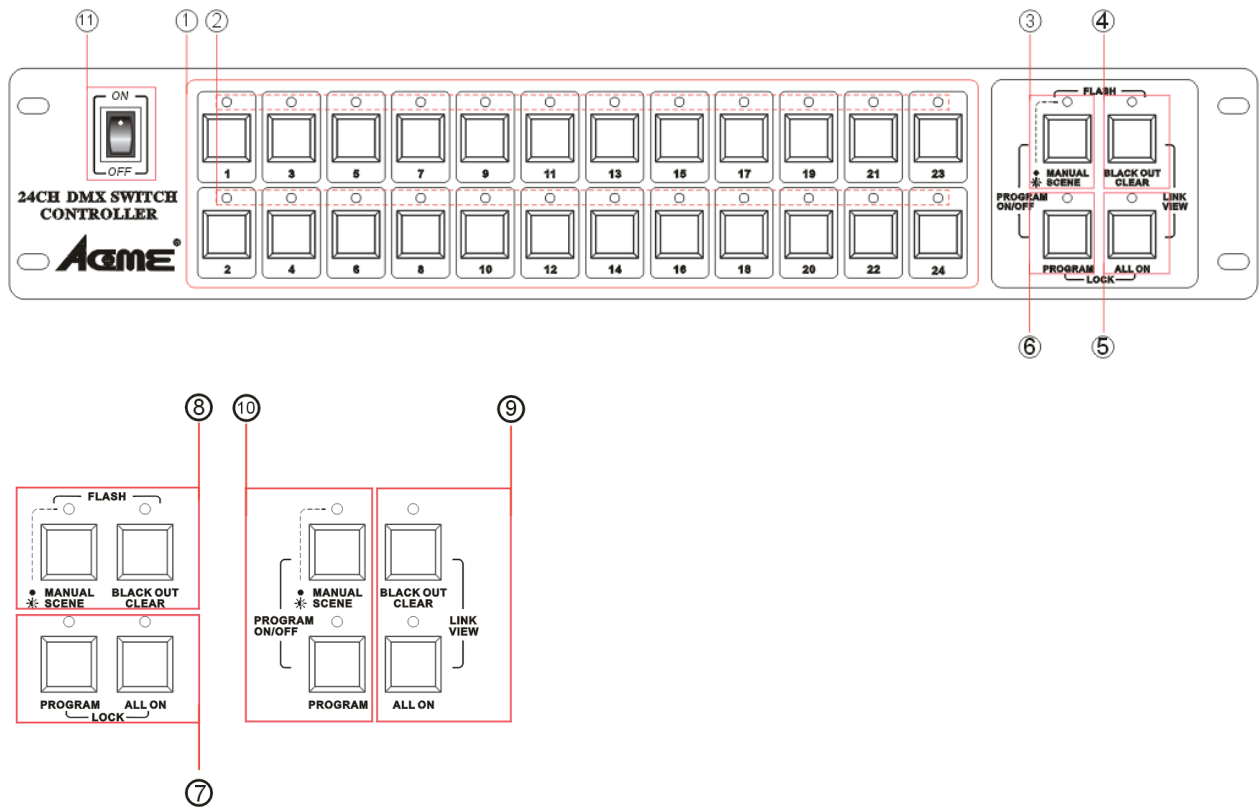
The CA-24D is a 24CH DMX controller, designed to work with the CA-2405 power switch. Controller features include, 24 programmable scenes, Full on, Blackout function and Key-lock protection for avoiding unintentional intervention.



Features

- 2U 19" rack mount
- 24 DMX channel
- Master/slave function
- 24 programmable scenes
- Playback function
- ON/OFF buttons
- Light up multi-lightings synchronously in scene mode
- Full on function
- Blackout function
- Key-lock protection function
- Power input: DC 9-12V
- DMX out: 3 pin XLR
- Master/slave: RJ-45 port
- Weight: 1.9kgs
- Dimension: 483 x 89 x 75 mm

Front panel:



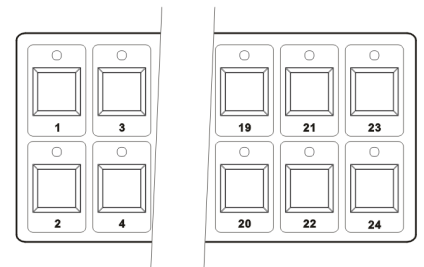
① **1-24** buttons: Under different mode, representing different function.

! Choose the fixtures you would like to control

!! Store scenes for programming

!!! Unlock the panel by the code keys

② Led indicators: indicate the corresponding functionality



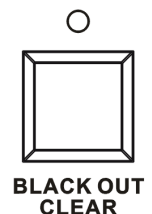
③ **MANUAL/SCENE** button: MANUAL mode and SCENE mode

! When LED indicator is flashing, it's in SCENE mode, which means you can select and perform the scenes you've programmed in SCENE mode.

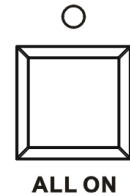
!! When LED indicators are lighting up without flashing, it is in SCENE mode, which means you can select the fixtures you would like to control in MANUAL mode.



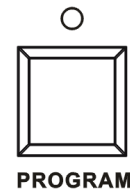
④ **BLACKOUT/CLEAR** button: ! Press the button to black out all fixtures; !! Press and hold the key to clear all the output data



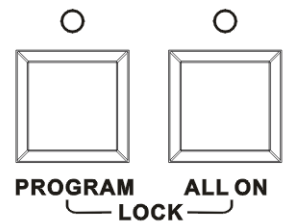
- ⑤ **ALL ON** button: press this button to light up all the fixtures



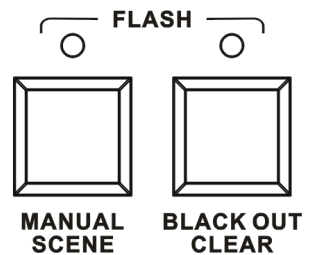
- ⑥ **PROGRAM** button: press this button to enter and exit program mode



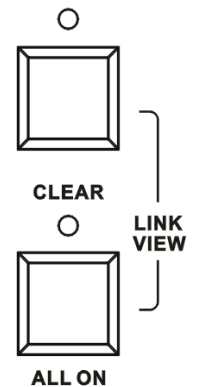
- ⑦ **PROGRAM** + **ALL ON** buttons: press these two buttons at the same time, starting the key-lock protection



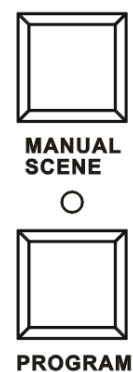
- ⑧ **MANUAL/SCENE** + **BLACK OUT/CLEAR** buttons: press these two buttons to point control the fixtures



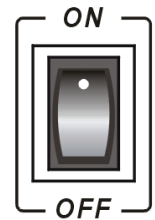
- ⑨ **BLACK OUT/CLEAR** + **ALL ON** buttons: Press these two buttons to check out the master/slave unit



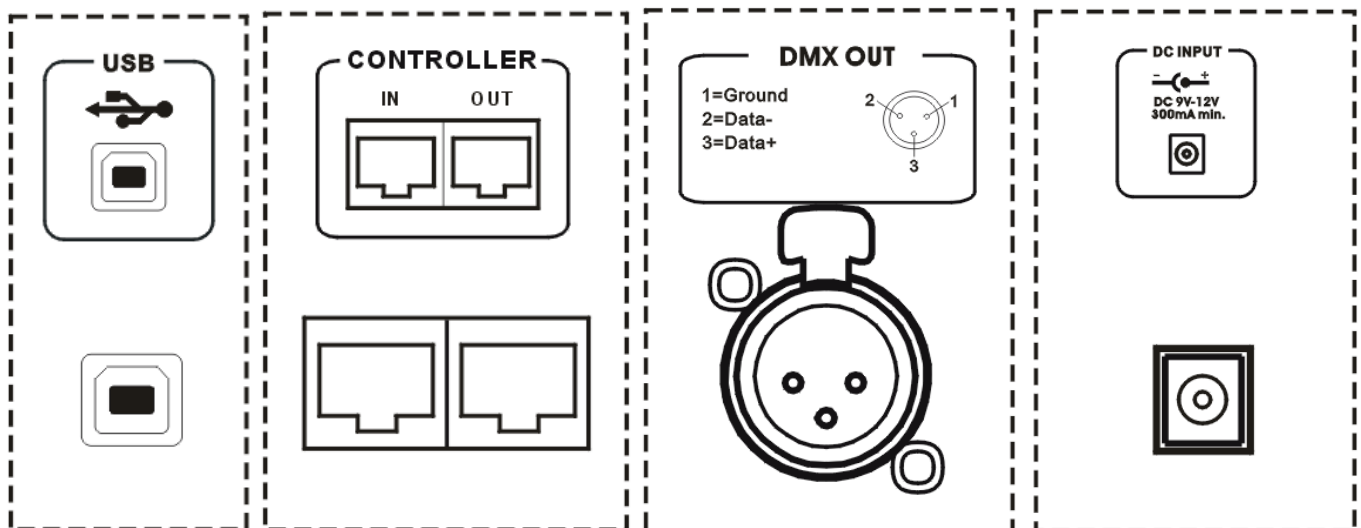
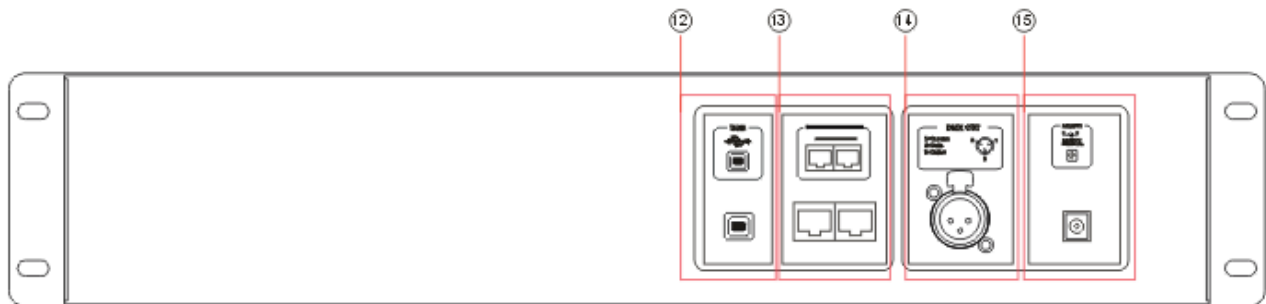
- ⑩ **PROGRAM** + **MANUAL/SCENE** buttons: Press these buttons to enter/exit the program mode



- ⑪ Power switch: Use this switch to turn the CA-24D on and off.



Rear panel:



- ⑫ USB: connect with standard USB cable when upgrading the firmware
- ⑬ CONTORLLER: RJ-45 port for master/slave function
- ⑭ DMX OUT: DMX-512 output, connect with power switch pack, control the ON/OFF for the fixtures
- ⑮ DC INPUT: DC 9V-12V

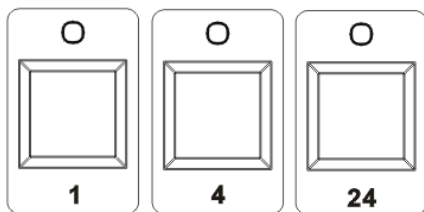
Operation:

Notice: Before using CA-24D, please make sure you've powered up the controller. The LED indicators in number key area will run in loops, which is to check out the master/slave unit. If the LED indicator of the key **1** keeps on, indicating the one is the master unit.

Select fixture

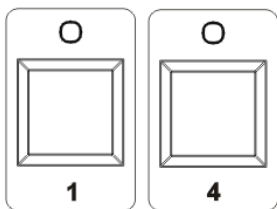
Press the number key **1-24** to select the fixture you would like to control.

Press the number key one by one to select the fixtures,



E.g. Press the buttons one by one, to select the fixture **1**, **4**, **24**; the corresponding LED indicators will light up.

Or you can select a batch of sequential fixtures by press the start and end key.



E.g. To select fixture 1-4, press synchronously, fixtures **1**, **2**, **3**, **4** will be chosen at the same time, the corresponding LED will light up. You can select different sequential fixtures according to your requirement.

Program mode

You can program and store 24 scenes.

1, Set the Manual/scene LED indicator to be illuminated (not flashing), if it is flashing, press the **MANUAL/SCENE** button again and it will stop flashing.

2, Set the controller into Program mode by pressing the **MANUAL/SCENE** and **PROGRAM** buttons at the same time.

3, Now using the 24 fixture buttons, select the desired number of fixtures for this scene.

4, Press and hold down the **PROGRAM** button and you will now see the LED illuminated above any previously saved scenes. If you now (with finger still on the **PROGRAM** button) select any free channel to save your scene, or at this point you can over write an existing scene. At this point the LED above your selected scene button will flash 3 times to show your scene has been recorded.



How to recall a scene

1, Set the LED above the **MANUAL/SCENE** button to flashing.

2, You will now see the LED above any fixture buttons that have scenes saved into them illuminated. If you now choose one of them to recall by pressing the fixture button the LED above it will start flashing. Now press the **MANUAL/SCENE** button and the saved scene will be recalled.

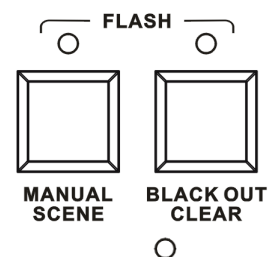
Note

You can recall multiple scenes at the same time by making more than one saved scene flash at the same time.

Flash mode

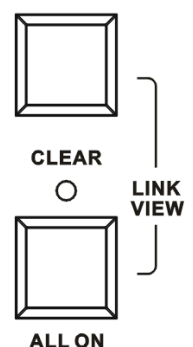
In this mode, you can flash control the fixtures.

- Press **MANUAL/SCENE** and **BLACK OUT/CLEAR**, to enter the flash mode
- You can flash control the fixtures



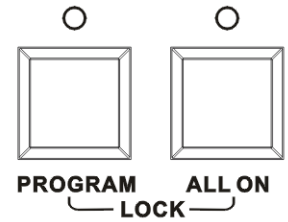
LINK VIEW

- Press **BLACK OUT/CLEAR** and **ALL ON** to check out the master/slave unit, the LED indicators in Number key area will run in loops, and the corresponding Led Indicator will show the position of the unit in the master/slave link. E.g. If there're three units in the master/slave link. On master unit, the Led indicator **1** will light up, on slave **2** and slave **3**, the indicator 2 and 3 will light up respectively.



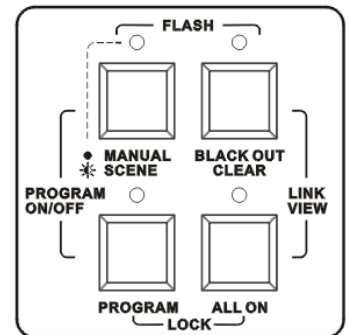
Key-lock function

- Press and hold **PROGRAM** and **ALL ON** for 3 seconds, all the keys on the panel will be locked, when you input right code to unlock the operation panel.



Notion: 1) In key-lock function, when you press any key on the panel, The LED indicators in this area will run in loops.

2) The code to unlock the controller is key **1 6 8 1 6 9**.



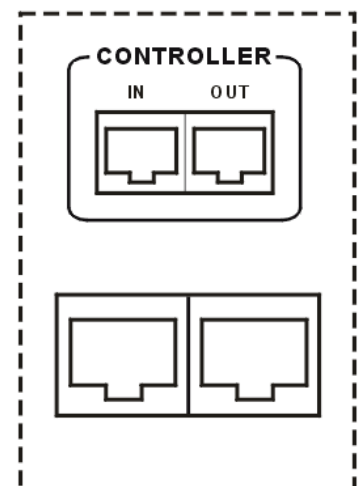
Master/slave

CA-24D can work in master/slave mode, max. 22 units can link together.

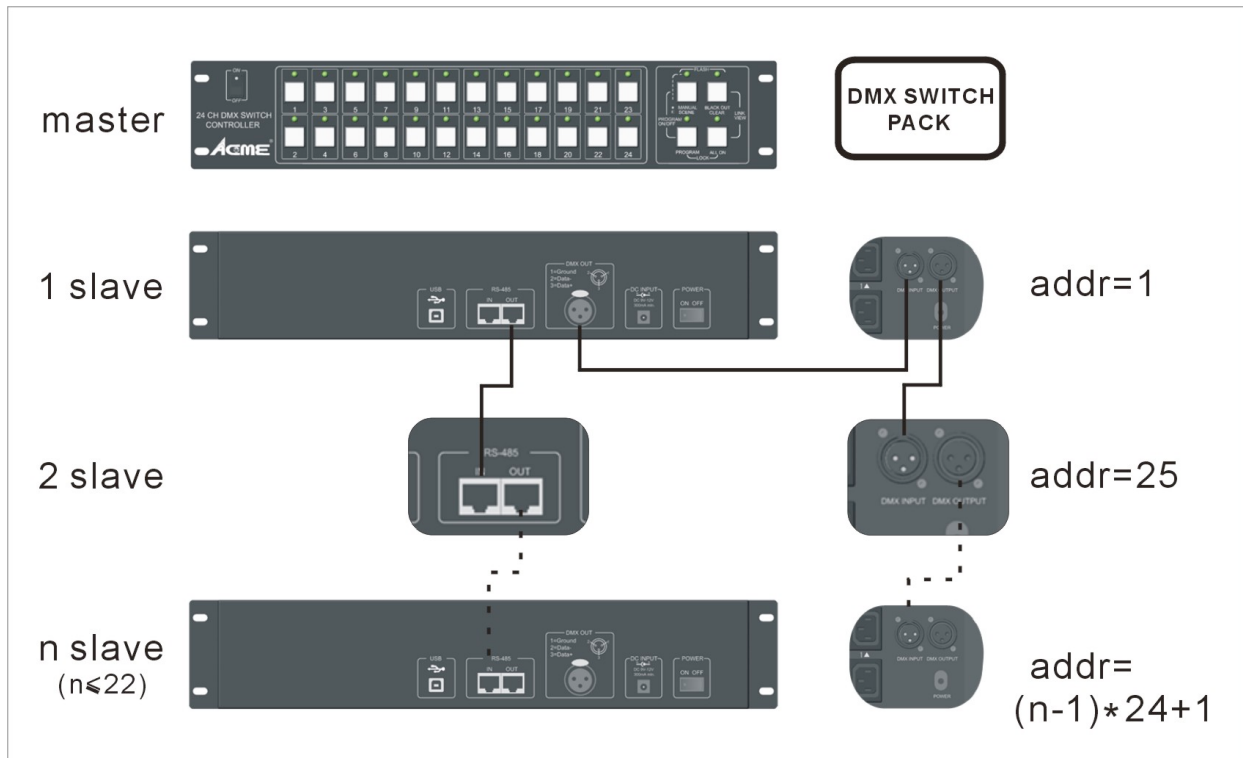
- Connect CA-24D with RJ-45 cable, use LINK VIEW to check out the master/slave unit by the LED indicators showing on the Number key area

E.g. If the unit is master controller, then the LED indicator above Number key **1** will keep on, if not, then it will be a slave controller.

Notion: Only the master controller can program the scenes. The slave controllers can only turn ON/OFF the fixtures you would like to control



Connection diagram

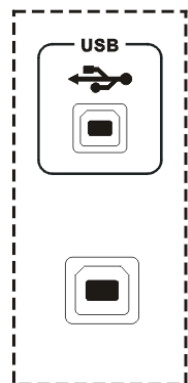


Upgrade

If needed, updating the firmware in the CA-24D is easy, just follow these steps:

- Download the new firmware version from our website (www.acme.ocm.cn) and unzip it named as "CA-24D.SUP"
- Connect the CA-24D to one of the USB-inputs of your PC.
- Turn the power of the CA-24D OFF first, press and hold **PROGRAM** and key **23** at the same time, and power ON the controller synchronously.
- A new window, with directory opens on your PC-screen, which contains a file named "CA-24.SUP"
- Now copy the new "CA-24D.SUP" file (downloaded from our website) into the directory, the LED indicators on the operation of CA-24D will flash 3 times
- Use the power switch to switch the CA-24D off, then switch on the controller to check whether upgrade successfully

Important remark: DO NOT switch the CA-24D off while no new file was copied to the "CA-24D" directory, this will make the controller inoperable





Innovation, Quality, Performance