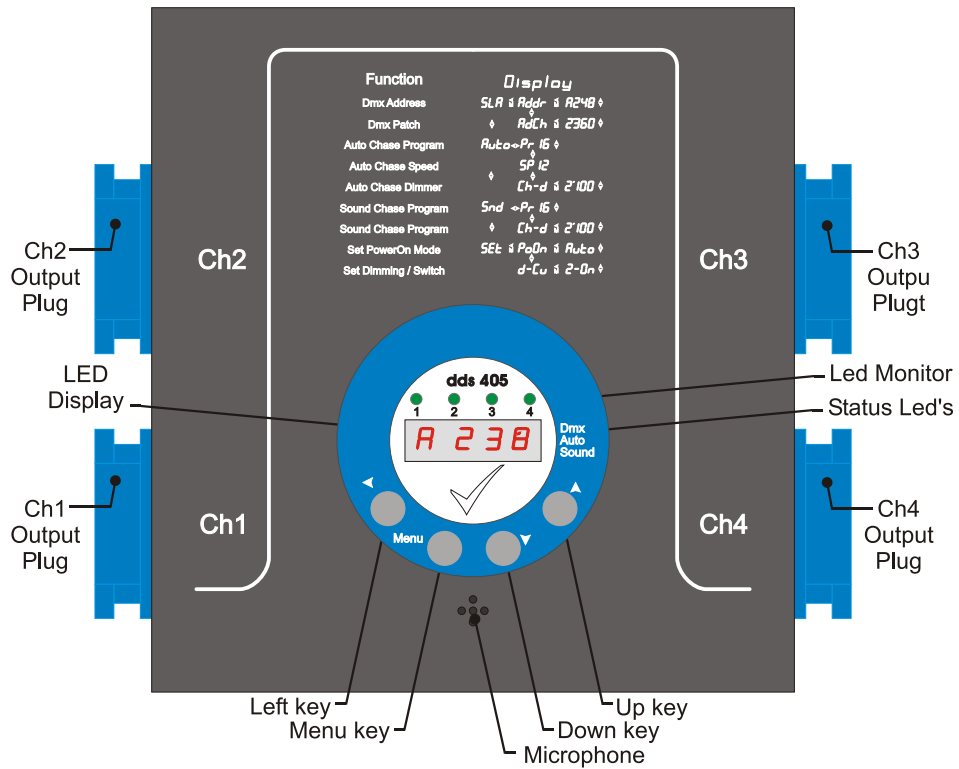


Frontpanel

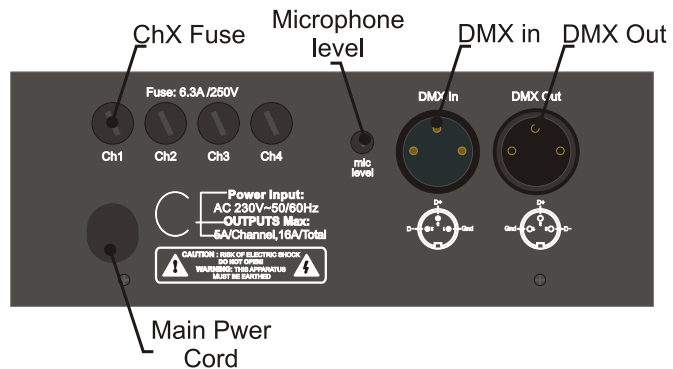


stairville

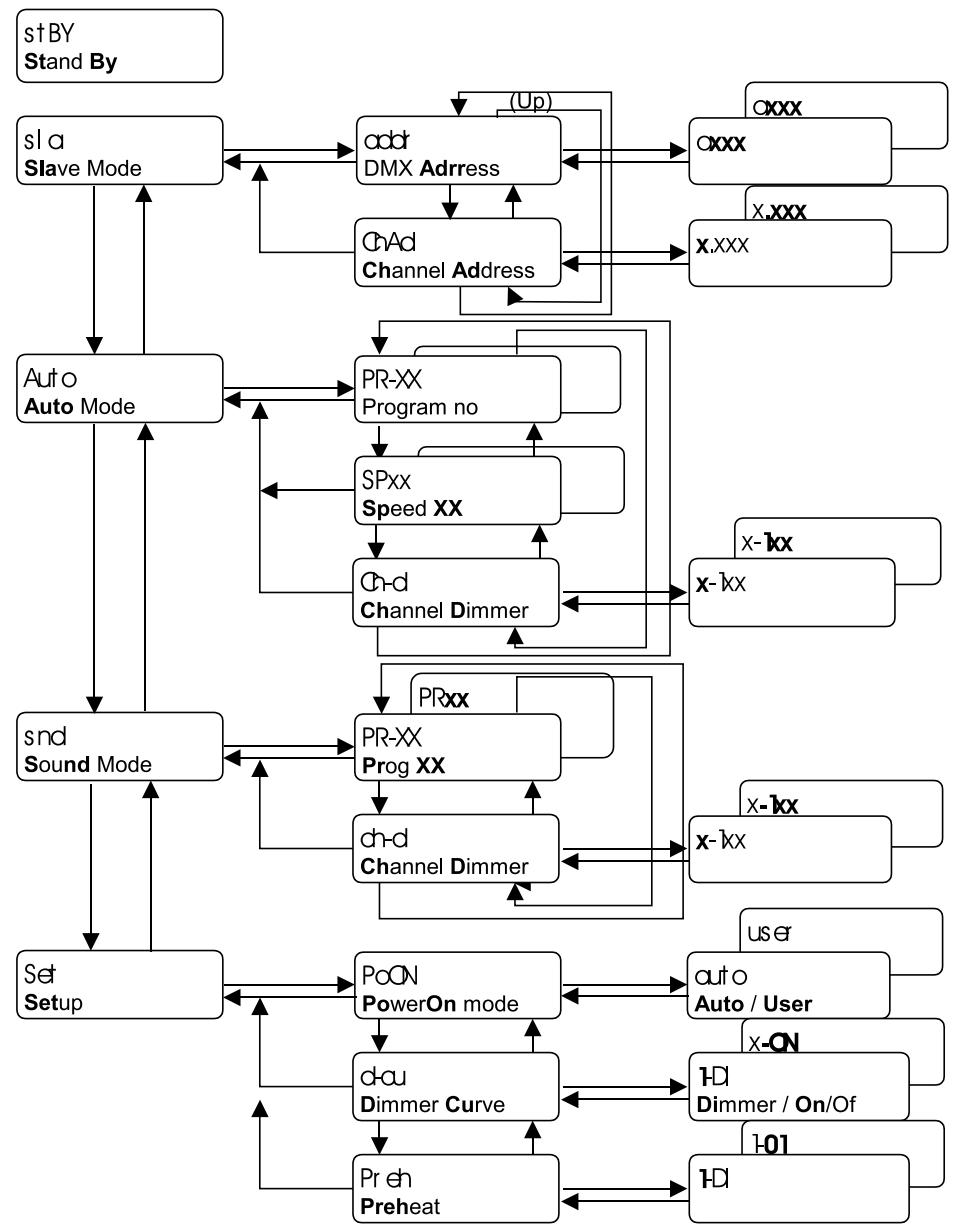
dds 405

4 Channels Digital Dimmerpack

user's manual



Bottom Panel



Menu chart

INTRODUCTION

Note: The total combined output of Stairville **dds405** is limited to 16A (3.5kW), which is the maximum power available from 230 VAC outlet. Each unit comes complete with anti-scratch rubber feet and 1 meter mains power cord. The Stairville **dds 405** is fully guaranteed for one (1) year against parts and labour.

At no time should the total output from the dimmer exceed 3.5kW. Also the power of one channel must not exceed 1kW. If this occurs, the corresponding fuse will blow. To change a fuse first disconnect the mains supply unscrew the fuse holder and replace the fuse with a direct replacement.

!! If the fuse is replaced with one of a different type or rating to the one supplied, the warranty is voided.

MAINTENANCE

With care, the Stairville **dds405** will require little or no maintenance. Covering the unit while not in use prevents entry of dust into unit, increasing useful life. This also minimizes the risk of entry of liquids inside the chassis, which would be both damaging to the unit and dangerous to the operator. During cleaning, do not spray cleaning liquid directly onto the unit, but on to a rag and wipe clean.

Ensure adequate ventilation when in use. When the unit is used as a desktop dimmer, it will feel warm to the touch after prolonged operation at full power. However, as with any electronic equipment, the operating temperature will increase dramatically if the unit is covered or has restricted available ventilation.

SPECIFICATIONS

Power input:	230 VAC 50/60Hz 16A max, single phase Connector: 16A Shucko plug
Dmx input:	DMX512 /1992 Connector: 3 pol XLR
Output:	Four channels, max 5A each Total load max 16A Connector: 4x16A Shucko socket
Protection:	6.3A semi-fast glass fuse
Weight :	1.850 kg
Size:	200mm (width) x 65mm (depth) x 180mm (height)

The Stairville **dds405** is a 4 channel digital Dimmer/Switch Pack unit capable of handling up to 5A per channel.

It has been designed for lower budget applications where ease of operation are prime considerations. It's main functions are controlled easily via touch pad keys and the status and actions are visible on the four digit LED display.

MAIN FEATURES

- Digital input DMX 512(1990)
- Individual channel DMX addressing
- Individual channel dimmer / switch setting
- Four channel chaser with variable speed control (0.2-:-5 sec)
- Free Programable individual channel level chaser
- Audio chase facility
- Auto / Manual soft turn on and off

OPERATION

All indications that follows refers to the front panel and bottom panel from the end of this manual(page 6). Also for easily understanding of the menu/function of the unit please look to the Menu chart (page 5). The "to the left arrows" represents *Left* key, the "to the right arrows" represents the *Menu* key, the Up/Down arrows represent the *Up/Down* keys.

Power Up/Down

After unpacking, check for any obvious transit damage. If damage is apparent, return the unit to the place of purchase.

Plug the four lamps into the four Shucko plugs as is shown on the front panel. Unwrap the power cord and plug into a 230 volt Plug capable of delivering 16A. The LED display will start blink **5 1 0 0**. To start the unit press *Menu* key for three seconds. The display will show the current mode of operation. To shut down the unit press *Left* key for 3 seconds and the dimmer will enter in Stand By mode.

!! Be careful! In Stand By mode the dimmer is still powered. If you want change the lamps **disconnect the dimmer from power supply first!**

Stairville **dds405** have 3 modes of operations.

S l o - Slave mode (using DMX)

A u t o - Chaser with reglable speed

S n d - Chaser with music synchronization

Remember that the operating mode will be indicated by one of the three Status LEDs from display.

To change the current operating mode use Up/Down keys to select the desired mode and press Menu key. The corresponding status LED will light.

Slave Mode

Is used when the dimmer is controlled via DMX signal.

There are two modes of addressing:

1-You can set the base DMX address of the dimmer using *A D D R* menu. Press Menu key and the LED's will display *A D D I*. Pressing once again Menu key the current DMX address start to blink. Using Up/Down keys set the desired address. To save the changes press Menu key, to leave the changes press Left key.

2-You can also set the DMX address individually for each channel. To do that you must use *C h A d* menu. Press Menu key and the LED's will Display *I' D D I* with the first digit blinking. This digit represent the number of the channel and the last three represents the coresponding DMX address. Pressing Up/Down keys you can change the no. of the channel that you want set the DMX address. When the desired channel is selected press Menu key and the address will start to blink. Now you can modify the DMX address using Up/Down keys. If you want to save the changes press Menu key (the display will blink), if not press Left key.

The Dmx Status LED show the status of receiving Dmx signal. If the signal is not present the LED will blink.

Auto mode/Sound mode

These modes are used when the dimmer is not controlled by DMX and it works standalone.

From *A u t o/S n d* menu, pressing Menu key you can choose one Program using Up/Down keys. Th unit have 20 programs with 32 steps each. Selecting program 20 the chaser will run with al programs from 1 to 20.

Also from *C h - 0* menu you can set a dimming value for each channel. Press Menu key and the *I' 0* will be displayed with the first digit blinking. This represent the number of channel which can be changed using Up/Down keys. When desired channel is selected press Menu key and the others three digits start blinking. These digits represents the dimming value (percent) for the channel selected. This value can be changed using Up/Down keys. If you want

to save the changes press Menu key, if not press Left key.

In Auto Mode you can change the speed of chaser from *S P D I* menu. Press Menu key and the last two digits representing the current speed value start blinking. Using Up/Down keys you can change the speed. If you want to save the changes press Menu key, if not press Left key.

Setting the speed value to 0 stops the chaser and using the *C H - 0* menu you can set manually a static scene.

If Sound mode is selected, the chaser is triggered by audio sound via the internal microphone. The chaser will now step at a rate determined by the bass sound intensity. With the mic level button the level can be controlled in order to obtain the desired trigger values.

Set Menu

From the *S P E* menu you can set the Power On mode dimming or switch settings and preheat settings.

With the Power On settings you can choose the way that dimmer starts when is plugged on. The unit can start up automatically or manually. To do that from the *P o n* menu press Menu key and choose the desired Power On mode using up Up/Down keys. If you want to save the changes press Menu key, if not press Left key.

For setting the Dimmer/Switch behavior of a channel from *d - C u* press Menu key and the LED's will Display *I - d i* with the first digit blinking. This digit represent the number of the channel and the last two representing the corresponding Dimmer/Switch setting (*0 i* dimmer / *0 n* switch). Pressing Up/Down keys you can change the number of the channel that you want set. When the desired channel is selected press Menu key and using Up/Down keys modify the setings. If you want to save the changes press Menu key, if not press Left key.

For setting the preheat value for each channel from *P R E H* pres Menu key and the LED's will Display *I - d 0* with the first digit blinking. This digit represent the number of the channel and the last two representing the corresponding preheat value. Pressing Up/Down keys you can change the number of the channel that you want set. When the desired channel is selected press Menu key and using Up/Down keys modify the setings. If you want to save the changes press Menu key, if not press Left key.