MINIDESK 6 & 12

PLEASE TRY AND READ AT LEAST ONCE BEFORE DISCARDING!

The DMX versions of the Mini-Desk 6 and 12 have a multifunction output, similar to that used on the Anytronuics Crossfade 8. Although they are not programmable, they do have many more features than you would normally expect from a single preset DMX desk.

The full list of features are shown in the table below.

	DMX address for 6-way desk		DMX address for 12-way desk	
For dimming	1-6	000000001	1-12	000000001
For switching	7-12	000000111	13-24	000001101

Outputs affected by 'Flash' buttons				
For dimming	13-18	000001011	25-36	000011001
For dimming	19-24	000010011	37-48	000100101
For dimming	25-30	000011001	49-60	000110001
For dimming	31-36	000011111	61-72	000111101
For dimming	37-42	000100101	73-84	001001001
For dimming	43-48	000101011	85-96	001010101
For dimming	49-54	000110001	97-108	001100001
For switching	55-60	000110111	109-120	001101101
For switching	61-66	000111101	121-132	001111001
For dimming	67-72	001000011	133-144	010000101

Outputs not affected by 'Flash' buttons				
For dimming	73-78	001001001	145-156	010010001
For dimming	79-84	001001111	157-168	010011101

Outputs pulsed at rate set by Master				
For switching	85-90	001010101	169-180	010101001
For strobe	91-96	001011011	181-192	010110101
For dimming	97-102	001100001	193-204	011000001

Outputs sequenced at rate set by Master				
For switching	103-108	001100111	205-216	011001101
For dimming	109-114	001101101	217-228	011011001
For switching	115-120	001110011	229-240	011100101
For dimming	121-126	001111001	241-252	011110001
For dimming	127-132	001111111	253-264	011111101
For dimming	133-138	010000101	265-276	100001001

Output number selected on entry to Blackout					
SW1	SW2	SW3	SW4	SW5	SW6
1	12	5	15	17	19
8	9	14	13	16	18

Output No.	Normal Output	with 'Flash' pressed
1	Lv x M	Full
2	Lv x M	zero
3	Lv	Full
4	Lv	zero
5	Lv	Master
6	zero	Lv
7	zero	Master
8	zero	Full
9	zero	Full (latched)
10	zero	Lv (latched)
11	Lv	no action
12	Lv x M	no action

	Normally	During clock pulse
13	zero	Full
14	zero	Full*
15	zero	Lv

*(only when channel switch is depressed)

	Sequence low	Sequence high
16	zero	Full ($1/2$ period pulse)
17	zero	Lv ($1/2$ period pulse)
18	zero	Full (full period pulse)
19	zero	Lv (full period pulse)
20	Lv	Full (full period pulse)
21	Lv	zero (full period pulse)

As can be seen from this list, there are 21 different outputs arranged in groups of 6 channels for the Mini-Desk 6 and 12 channels for the Mini-Desk 12.

Outputs 1 ➔ 12 have conventional slider/switch operations, whereas outputs 13 ➔ 21 are driven by the internally generated clock pulse. On outputs 13 ➔ 15 all channels are pulsed simultaneously at the speed set by the Master/Speed slider. Outputs 16 ➔ 21 are pulsed sequentially in the selected chase pattern. The clock speed has 2 ranges, 0.5Hz to 8Hz or 1Hz to 16Hz, these ranges are selected by the PCB mounted J2 jumper plug which is accessed by removing the rear cover.

If you do not wish to use any of the extra features then by moving the J3 jumper plug to its alternate position all functions other than basic desk operation over channels 1 ➔ 6 or 1 ➔ 12 will be disabled, thus making the desk a manual 6 or 12 channel DMX single preset desk.

In those outputs shown 'for switching' the sliders have no function and therefore can be used on another output block to operate with a dimming pack. Outputs 8, 13, 14 and 16 are just as suitable for strobe control as they are for switch packs. From the list of 21 outputs we have chosen what we think are the 12 most popular options, and by using the flash switches these can be called up over the first two address blocks. Six of these options are aimed at dimming packs and are available on addresses 1 ➜ 6 (or 1 ➜ 12 on the Mini-Desk 12) while the other six are more suited to switching or stobe functions and are available on addresses 7 ➜ 12 (or 13 ➜ 24 on the Mini-Desk 12).

When the power is removed from the desk, any selections made in either output options or chases will have been forgotten, the desk will power back up in the default state which equates to those settings assigned to flash switch one. Outputs 16 ➜ 21 will power up with the auto programme chase running.

The auto-programme consists of 16 sequences, each one run five times, not all of which have dedicated flash switch selection, therefore if you see a sequence in auto that you would like to hold, the simply re-select auto i.e.: go into Blackout and hold down Flash Switch 1 while coming out of Blackout. Repeating this process will return the desk to auto-programme.

Both desks require a DC supply of between 9V and 25V @ 75mA. This is available from any of the Anytronics Dimming or Switching Packs with the exception of the PP405 and the XP405. Most OEM products should be able to provide this supply, if however this is not the case or it is inconvenient, then one of the readily available wall wart/battery eliminator type supplies will do the job. We would recommend using a 300mA regulated supply.

When the desk is powered up there should be one LED on steadily, while the other LED should be flashing. The flashing speed will increase as you lift the Master slider, this is monitoring the clock speed. The steadily lit LED is indicating desk status either Blackout or On.

OPERATION EXAMPLES

If you have a dimming pack with its DMX address set on 1 connected to the desk, you should get the 'Normal' or 'Default' operation (channel slider X master slider = output). Now hold down Flash Switch 6 while you enter Blackout but release it before coming out of Blackout, you should now be in auto-programme chase, with the sliders controlling the level of each channel. If you now do the same thing but this time using Flash Switch 5, you will still be in auto-programme but the output will be pulsing giving a strobe like effect, this is what we refer to as a 'Half Period Pulse'. If you now change the DMX address on the pack to 7 (or 13 if you have a Mini-Desk 12) you will have what appears to be an identical output but because this address is aimed at switching packs the channel sliders will have no effect.

We realise that to try and use all 21 outputs would be impractical as there will be too much conflict of operation, however here are a number of possible configurations.

1. A dimming pack on output 12 giving 6 or 12 channels of dimming using the channel sliders and master slider.

    A switch pack on output 10 using the flash switches to toggle the channels of the switch pack on and off.

2. A dimming pack on output 11 giving 6 or 12 channels of dimming just using the channel sliders.

    A switch pack on output 10 using the flash switches to toggle the channels of the switch pack on and off.

    A strobe interface on output 16 giving 6 or 12 channels of strobe chasing at a speed set by the master slider.

3. A dimming pack on output 4 giving 6 or 12 channels of dimming using just the channel sliders.

    A strobe interface on output 14 giving up to 12 channels of strobes which will flash at the rate set by the master slider when its own flash switch is depressed, while at the same time turning off the lamp on that channel of the dimming pack.

4. A dimming pack on output 20 giving chase of your choice at the level set by the channel slider

    A switch pack on output 8 using the flash switches to flash the channels of the switch pack on and off.