



Installation and Operation Guide for the Anytronics Anyscene 1 Memory Unit

This equipment should only be installed by competent electricians, the responsibility for safe and correct installation of the system rests with the installer and these notes are intended only for guidance.

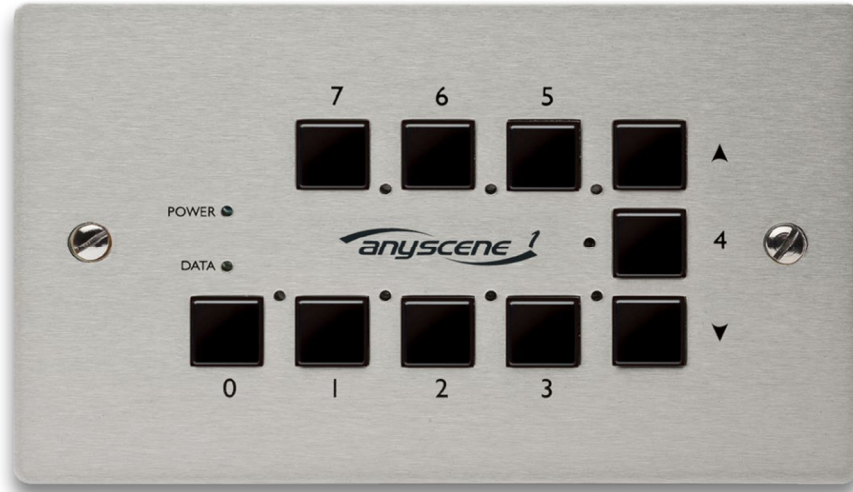
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1. Overview and Operation

The Anyscene 1 memory unit provides seven programmable DMX scenes of 36 channels, plus a 'Blackout' function in a double pattress housing suitable for use in architectural applications. Only a single Anyscene 1 can be used within an installation and if control at multiple locations is required the installer should use the Anyscene 512 range.



The front panel has ten buttons and ten LED indicators. Switches labelled 1-7 have their own blue mimic LEDs and are used for storing and recalling the contents of the 7 programmable memories.

The Up and Down buttons are normally used to control the Master level, allowing control of the overall lighting level.

The green power LED shows when the unit is powered up, and the yellow data LED indicates that the unit is receiving suitable data from a DMX source for programming or the unit has gone into standby mode allowing external control. Switch 0 is the blackout switch and when enabled the corresponding red LED will flash to indicate the unit is in this mode.

The RJ45 sockets are on the back of the PCB along various option DIL switches and the connectors for the external scene recall control.

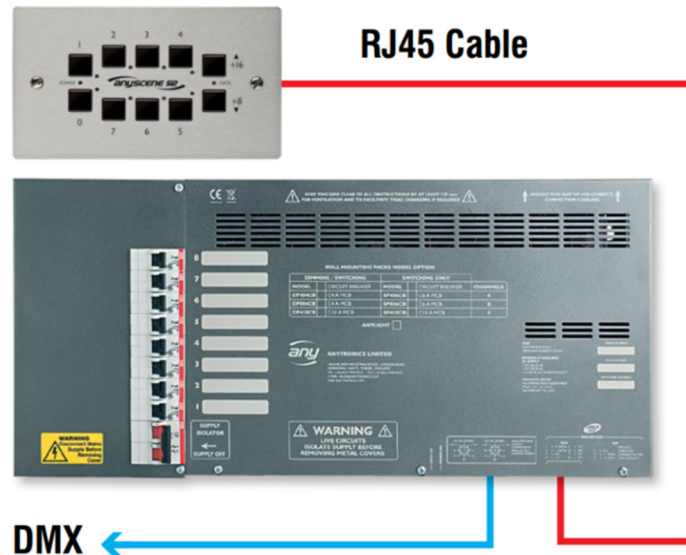
2. Unit Mounting

The Anyscene 1 should be mounted using UK double pattresses with an approximate depth of 32 mm.

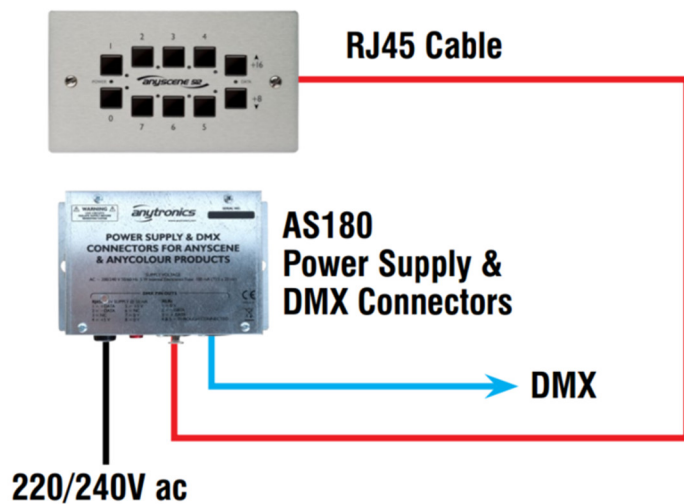
3. Electrical Connections

The Anyscene requires a +5V DC supply capable of supplying up to 50 mA.

- If used with other Anytronics equipment the required supply will be supplied through the Cat5 cable and the system should be connected as follows,



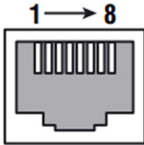
- If used with other equipment an AS180 PSU should be used to supply power to the Anyscene and then provide connection to the wider DMX network as follows,



4. Data Connections

The DMX data connections are provided via one 8-pin RJ45 with the pinouts detailed below. If XLR style outputs are required the installer should use the AS180 as this will supply power along with the other connectors.

Pin No.	RJ45 DMX Connector
1	+ DMX Data
2	- DMX Data
3	+ Data 2
4	+5 V Supply
5	+5 V Supply
6	- Data 2
7	0 V / Data Ground



Upon request Anytronics can also supply the D2228 connector PCB to provide extra connectors for **programming only**.

5. DMX Requirements

5.1. DMX Loading

The maximum number of DMX receivers allowed along a single line is 32 devices without the need for a buffer. If a DMX buffer is required within the system and an external DMX source is also being used the Anyscene must all be linked with the external source and then joined to the buffer for correct operation to the wider DMX line.

5.2. DMX Wiring

The DMX specification is based on the use of a single DMX source at one end of a twisted pair with receiving equipment connected along the twisted pair, the final receiver must then have a line termination resistor.

5.1. DMX Backup

With the power applied, the Anyscene 1 will power up and, if no input DMX data is detected within 2 seconds, it will start to output DMX data from the last used scene. If another source of DMX data is detected in the system, the Anyscene will instead remain dormant in standby/receive mode capturing the current DMX data with start code zero from channels 1 - 32.

Whilst in this mode, the yellow Data LED will remain illuminated if valid data is being received at any of the decoded addresses. If the memory write protection switch is in the ON position, this captured DMX data can be stored as scenes as per the programming section of this document.

If the DMX source is then disconnected or fails, the yellow Data LED on the Anyscene will be extinguished. After two seconds the Anyscene will start to retransmit the last received DMX data, providing a standby or DMX backup feature. None of the mimic LEDs will be illuminated in this mode as the output data corresponds to the last data received rather than to the contents of any of the scene memories.



6. Unit Configuration

6.1. Fade Rate

The full-scale fade period from one scene to another can be adjusted using the second DIL switch marked CYCLE (Preset & Auto). The adjustment is as follows,

CYCLE DIL	Fade Time (Seconds)
OFF	5
ON	10

7. Programming

As supplied, the Anyscene 1 scene memories have a range of saved presets allowing electrical contractors to confirm correct operation before final commissioning of the system. They can be easily programmed from any source of DMX data including another Anytronics scene memory, DMX lighting desk or a computerised lighting system. The Anyscene should be programmed whilst connected into the final installation and the programming source should be connected into the system.

- a) Turn on the CD01 DIL switch
- b) Connect the DMX programming source (DMX Desk etc.) into the system
- c) Power the DMX programming source
- d) Power the Anyscene 1, the power and yellow data LED should be lit
- e) Use the DMX programming source to adjust the required channels
- f) Press and hold the button on the Anyscene 1 where the current scene should be saved
- g) The Anyscene 1 data LED will flash twice to show the data has been saved.
- h) Repeat e) to g) for all required scenes
- i) Once all scenes have been saved turn the CD01 DIL off to protect the unit

Note: that unless this data LED is illuminated, and unless the internal CD01 DIL switch is in the ON position, no programming of the scenes will be possible.



8. Specification

- Supply:
 - +5V DC 50mA via Category 5 DMX cable from AS180 ot Anytronics Dimmer
- Connections:
 - DMX output via RJ45 connectors (Internal)
 - Data received from DMX addresses 1 - 32
 - Data output to DMX addresses 1 - 32
- Controls & Indication:
 - 8 scene selection buttons
 - Master level up and down buttons
 - 1 off 2 way DIL switch for fade adjustment and programming enable(internal)
- IP Rating: IP20 (Indoor Use Only)
- Temperature Range: Ambient 0°C to 40°C
- Dimensions: 148 x 85 x15 mm, to be used with 25 mm UK double pattress
- Weight: Net 0.14 kg
- Country of Manufacture: UK
- Compliance:
 - Low Voltage Directive (2014/35/EU)
 - WEEE (2012/19/EU)
 - RoSH (2011/65/EU)
 - CE
- Warranty: 3 Year (Return to Base)