

# **DMX Address Device**

user manual

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# INTRODUCTION

Thank you for selecting the Martin DMX Addressing Device (DAD). The DAD can be used to set the DMX address on any supported fixture. The DAD currently supports the following Martin fixtures:

- Exterior 200
- Exterior 600
- Exterior 600 Compact
- FiberSource CMY 150

Please familiarize yourself with this manual before using the DAD.

## FEATURES

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- 4-digit LED control panel
- 3-pin and 5-pin locking XLR data output jacks
- Rear panel 115/230 V selection
- Rugged steel construction

## SAFETY PRECAUTIONS

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- The DAD is NOT for household use.
- Always unplug from AC power when replacing the fuse or removing any cover.
- For protection against fire and electrical shock, ensure that the fixture is properly grounded (earthed), and do not expose it to rain or moisture.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault protection.
- Refer service to a qualified technician.

# AC POWER

**Warning** *For protection from electric shock, the fixture must be grounded (earthed). The power supply shall have overload and ground-fault protection.*

*Verify that power supply settings match local AC supply before applying power.*

## CHANGING THE VOLTAGE SETTING

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The DAD can be switched between 115 and 230 V. *Make sure the switch, located on the back of the unit, is correctly set before applying electricity.*

## INSTALLING A PLUG ON THE POWER CABLE

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The power cable to the DMX Address Device must be fitted with a grounding-type cord cap that fits your power distribution system. Consult an electrician if you have any doubts about proper installation.

- Following the cord cap manufacturer's instructions, connect the yellow and green wire to ground (earth), the brown wire to live, and the blue wire to neutral. The table below shows some pin identification schemes.

| Wire (EU)    | Wire (US) | Pin     | Marking                                                                             | Screw (US)      |
|--------------|-----------|---------|-------------------------------------------------------------------------------------|-----------------|
| brown        | black     | live    | "L"                                                                                 | yellow or brass |
| blue         | white     | neutral | "N"                                                                                 | silver          |
| yellow/green | green     | ground  |  | green           |

**Table 1: Cord Cap Connections**

## APPLYING POWER

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Plug the power cord into the MAINS INPUT socket and the AC outlet. To turn on the fixture, flip the power switch to the “I” position. To turn it off, flip the power switch to the “O” position.

# DMX ADDRESS SETTING

Perform these steps in the following order:

- 1 Turn on the DAD.
- 2 Power up the luminaire and allow it to reset.
- 3 Connect the DAD to fixture using the 3- or 5-pin serial link, in the same way that you would connect a controller.

**Warning:** *Only connect the fixture to the DAD once both devices have been powered on and the luminaire has reset.*

## FINDING THE CURRENTLY SET ADDRESS

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To find the currently selected address, press the GET button.

## SETTING A DMX ADDRESS

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To set a DMX address:

- 1 Select a DMX address using the up and down buttons on the DAD.
- 2 Press SET]. The display will flash during communication with the luminaire, and OK will appear to confirm that the address has been set.

**WARNING!** *Ensure the DAD is unplugged before performing these procedures.*

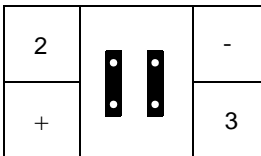
## CHANGING THE FUSE

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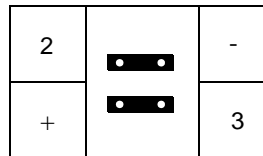
- 1 Unplug the DAD.
- 2 Remove the 2 screws from the top near the air vent and the 4 screws from the front.
- 3 Lift off the cover.
- 4 Locate and replace the fuse with one of the same rating. The rating is shown on the serial number label.
- 5 Replace the cover.

## CHANGING THE XLR PIN-OUT

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Martin pin-out



DMX pin-out

- 1 Unplug the DAD.
- 2 Remove the 2 screws from the top near the air vent and the 4 screws from the front.
- 3 Lift off the cover.
- 4 Locate the 2 jumpers labelled “PL07” and “PL08” behind the 3-pin XLR output.
- 5 Position the jumpers as shown above and push them all the way down.
- 6 Replace the cover.



# 5

## TROUBLESHOOTING

| <b>problem</b>                                       | <b>probable cause(s)</b>                                                                      | <b>suggested remedy</b>                                                                                                                                                                                              |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The unit appears dead.                               | Power off.                                                                                    | Apply power.                                                                                                                                                                                                         |
|                                                      | Blown fuse.                                                                                   | Replace fuse.                                                                                                                                                                                                        |
|                                                      | Incorrect voltage setting.                                                                    | Set voltage switch to match AC supply.                                                                                                                                                                               |
| Fixture(s) do not to respond to the DAD.             | Link polarity reversed.                                                                       | Swap pins 2 and 3 between the fixture and the DAD.                                                                                                                                                                   |
|                                                      | Defective data link.                                                                          | Check the data link by connecting it to a controller; correct if necessary.                                                                                                                                          |
| The message “Connect fixture” appears in the display | The luminaire is not connected properly to the DAD.                                           | Connect the fixture.                                                                                                                                                                                                 |
| “Communication error” appears in the display.        | The connected fixture is not supported by the DAD, or multiple fixtures are on the data link. | Ensure that only one supported fixture is connected.                                                                                                                                                                 |
| “ERR” appears in the display.                        | A non-specific error has occurred.                                                            | Check connections, that the luminaire is of the supported type, disconnect the fixture from the DAD, power both devices off and then on again, wait for the luminaire to reset, reconnect the devices and try again. |

# SPECIFICATIONS



## DIMENSIONS

|              |                 |
|--------------|-----------------|
| Length ..... | 130 mm (5.1 in) |
| Width .....  | 181 mm (7.1 in) |
| Height ..... | 72 mm (2.8 in)  |
| Weight ..... | 1.1 kg (2.4 lb) |

## ELECTRICAL

|                             |                              |
|-----------------------------|------------------------------|
| Power supply settings ..... | 115/230 V, switch selectable |
| Power consumption .....     | 5 W                          |
| Current .....               | 30 mA at 230 V               |
| AC frequency .....          | 50 - 60 Hz                   |
| Fuse .....                  | .0315 A, time delay, 250 V   |

## CONSTRUCTION

|               |                              |
|---------------|------------------------------|
| Housing ..... | steel                        |
| Finish .....  | electrostatic powder coating |

## CONNECTIONS

|              |                                          |
|--------------|------------------------------------------|
| Power .....  | IEC 3-prong                              |
| RS-485 ..... | 3 and 5-pin XLR, pins 2 and 3 switchable |
| RS-232 ..... | 9-pin DSUB                               |