

AZTEC
ELECTRONIC

CITY MOVING 4000 CMY

Instruction Manual



USER INSTRUCTION
MANUAL

Unpacking: Thank you for purchasing the AZTEC City Moving 4000 White / CMY by AZTECELECTRONIC®. Every AZTEC City Moving 4000 White / CMY has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: The AZTEC City Moving 4000 White / CMY Version is part of AZTEC-ELECTRONIC's continuing pursuit for creating high quality affordable intelligent outdoor sky tracker fixtures. The City Moving 4000 is a DMX intelligent Outdoor Sky Tracker Moving Head Beam Effects Lights. This City Moving 4000 White / CMY is professional, strong and durable which makes it a great piece for outdoor events performance, buildings and many other applications. The City Moving 4000 has 4 operating modes; sound-active, auto mode, Manual mode, or controlled via DMX controller. It can be used as a stand alone unit or in a master-slave configuration.

Customer Support: AZTEC-ELECTRONICS provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.aztec-electronics.com for any comments or suggestions. Service Hours are Monday through Friday 9:00 a.m. to 5:00 p.m. Pacific Standard Time. E-mail: support@aztec-electronic.com

Warning! To prevent or reduce the risk of electrical shock or fire, please check the connection and use the outdoor grade approved connectors.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact AZTEC-ELECTRONIC DEALER / DISTRIBUTOR.

PLEASE recycle the shipping carton when ever possible.

1.1 Safety information

1.1.1 Protecting against electric shock

- Disconnect the unit from mains supply before servicing it or performing any other action.
- Always ground/earth the unit electrically.
- Before connecting the unit to power supplies, verify that operating voltage and frequency are compatible.
- Do not handle the unit with wet hands or in the presence of water.
- Check regularly that the power supply cable is not damaged or crushed.
- Apply to a qualified technician for any regular maintenance action not described in this manual.

1.1.2 Installation

- Fix the unit with screws, hooks or any other support able to bear the weight of the unit itself.
- If the unit is fixed onto a suspended structure, this structure is supposed to bear at least ten times the weight of all devices to be fixed.
- Use a secondary fixing tool, as prescribed by in force rules.
- The unit installation actions must be performed by a qualified staff.

1.1.3 Protection against burns and fire

- Do not install the device on flammable surface. Minimum distance from them should be 0.5 m.
- Do not throw the light output onto a flammable surface, from a distance lower than 35m. Turn immediately off the unit if light output pointing is not respecting the minimum safety distance.
- The unit is not to be installed in places where the ambient temperature exceeds 35° (95°F).
- The external temperature of the unit surface (front glass) can reach 200°C (392°F).
- The lamp is very hot during operations! Wait at least for 30 minutes before changing.

1.1.4 Protection against lamp explosion

- Please replace any lamp that may present any damage or deformation.
- During the lamp replacement always use adequate body and eye protection (see the lamp manufacturer instruction)

1.1.5 Weather protection

The unit is classified as device with an IP55 weather protection rate.

1.1.6 Forced ventilation

You will note several air vents on the body of the projector. To avoid any problems associated with overheating, never obstruct any of these vents as this may seriously compromise the proper operation of the unit.

1.1.7 Protection against UV radiation

- Never operate the fixture with missing or damaged lenses and / or cover.
- Replace any damaged shields with original AZTEC spare parts..
- Do not stare directly into the light. Never look at an exposed lamp while it is lit.

1.1.8 Articulated movement

- The projector has a pan range of 420° in its base and a tilt range 220° in its yoke; do not obstruct the projector whilst it is undertaking articulated movement.

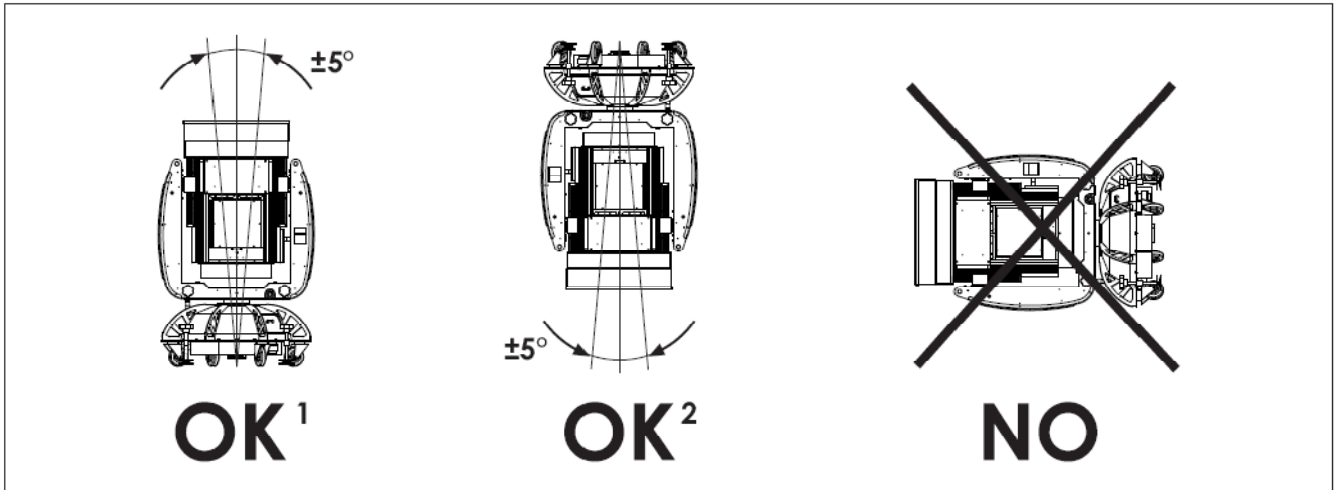
Warning!

This unit is suitable for professional use only, not for domestic use.

1.2 Installations

1.2.1 Fixing

The unit can be used both rested on floor and fixed onto a structure. To ensure that the protection rating is maintained, there are various installation restrictions with regard to position which must be adhered to as shown below:



Warning!

Check that the fixing hook is able to bear at least 10 times the weight of the unit.
Check that the structure can bear at least 10 times the weight of the unit, the hooks, the additional equipments, etc.
If the unit must be raised, block out the access under the working area.
Operate in safe conditions on a stable platform.

1.2.1 Lamp Installations

Attention!

Disconnect the unit from mains supply before servicing it or performing any other action.
The lamp is very hot during operations! Wait at least for 30 minutes before changing.
Wear all necessary protective garments to handle the Xenon lamp (gloves, protective mask, etc.)
Lamp is to be replaced exclusively with the unit positioned vertically, as per following picture.



2 Technical parameters & Function explanations

Technical parameters :

Voltage : AC220V / 240V 50 / 60HZ
Power : 4 KW / 7 KW
Chassis : With Overheating Protections, overload protections, short circuit protections, voltage Protections, shockproof and liquid crystal display LED electronic set.
IP : IP-55

Function explanations:

With the Special design of reflective lens, it produces the highest brightness output

Scan angle : level 360 degree, Vertical 230 degree, with automatic calibration error code, Photosensitive lamps and lanterns reset automatically, more precise positioning.

Light Brake : Linear dimmer and Stroboscopic
Light Switch : DMX512 signal control
Colour : White + CMY color changing system, a variety of colors can be combined
Light beam : 250mm diameter size, parallel light output can be projected 3-8KM
Controller : DMX512 signal
Channel : 16 channel requirements

CH1 : dimmer/strobe
0-192 from bright to dark
193-255 from fast to slow

CH2 : Shutter
100% Linear Value

CH3 : Atomization mirror
0-255 Linear Value

CH4 : Focus
0-255 from the far to near

CH5 : Blue
0-255 Linear Value

CH6 : Red
0-255 Linear Value

CH7 : Yellow
0-255 Linear Value

CH8 : CMY speed
CH9 : CMY automatic operation effect
CH10 : XY positive and negative
0-63XY axis positive 64-127 X axis negative
128-191XY axis negative 192-255 Y axis negative

CH11 : X axis
0-255 clockwise 540° scan

CH12 : Y axis
0-255 clockwise 230° scan

CH13 : X axis fine tuning (16BIT)
0-255 Linear Value

CH14 : Y axis fine tuning (16BIT)
0-255 Linear Value

CH15 : XY Scanning speed
CH16 : Reset
0-127 no action
128-255 reset

3 Maintenance

Attention!

Always remove mains power prior to opening up the fixture.

To ensure maximum functionality and light output it is recommended to follow these instructions:

12.1 Cleaning the unit

12.1.1 Lenses and reflector

The unit must be cleaned regularly. Cleaning regularity will depend especially on the environment where the unit will operate: deposits of dust, smokes or other wastes will reduce the light output performances.

- Clean regularly the glass and the reflector of the unit.
- Be careful when cleaning the components. Operate in a clean, properly illuminated environment.
- Do not use solvents which could damage painted surfaces.
- Remove left particles by a cotton towel dampened with glass-cleaning liquid or distilled water.
- Remove smoke and other wastes by a cotton towel dampened with isopropyl alcohol.
- Dry out by a clean, soft, non-scratching towel or by compressed air.

12.1.2 Fans and air passages

The fans and air passages must be cleaned approximately every 6 weeks; the period for this periodic cleaning will depend, of course, upon the conditions in which the projector is operating. Suitable instruments for performing this type of maintenance are a brush and a common vacuum cleaner or an air compressor.

12.2 Regular checks

- Check electrical connections, especially the ground wiring and the power supply cable.
- Check that the unit is not damaged mechanically. Replace those components which have got deteriorated.

12.2.1 Lamp

Replace any lamp that may present any damage or deformation.

We recommend, therefore, that the lamp be replaced within the manufacturer's specified lamp life. The lamp life counter needs to be reset to zero at every lamp change to provide accurate information on lamp life.

4 Spareparts

All components of the unit are available as spare parts at **AZTEC** dealers.

Exploded views, wiring diagrams, electronic layouts and advertising brochures are available on request.

To make the job of assistance centres easier, specify serial number and model of the unit which spare parts are requested for.

5 Troubleshooting

Inconvenience	Possible Cause	Action
The fixture is completely dead	No power to fixture.	Check that power is switched on and cables are plugged in.
	PAN and TILT block not removed.	Check the transport locks.
	PCB communication error	Check if the unit display visualizes error messages
The unit does not respond properly to the DMX control.	Incorrect DMX cable connection.	Check connections and wires. Rectify inefficient connections. Repair or replace damaged wires.
	Unfinished data connection.	Insert a terminal plug in the output jack of the last unit of the connection.
	Incorrect address assignment to the units.	Check the addresses of the units and the protocol settings.
	One of the unit is faulty and it is affecting the data transmission along the connection.	Short-circuit units singularly, one by one, since regular working is restored.
	PCB communication error	Check if the unit display visualizes error messages
No light output	Lamp blown	Disconnect fixture and replace lamp.
	Lamp not installed	Disconnect fixture and install lamp.
	Lamp access safety switch open	Verify that frontal panel is fully seated and locked in place.
	The electronic ballast is in alarm status.	Check the electronic ballast display, verify the type of alarm and, if the display visualizes the alarm e 1 , turn off the unit and Let the fixture cool down.
Lamp cuts out intermittently.	Fixture is too hot.	Let the fixture cool down.
		Check that the air vents above the cooling fans are not obstructed and that the fans are working correctly. Ensure that the ambient temperature is below 35 °C.

Product Specifications & Catalogue Details:

City Moving 4000

City Moving 4000 is an IP60 technology which is water-resistant and can be applied in indoor or outdoor and also architectural lighting; available in 2 model of White Color or CMY Color effect fixture with the ultra bright 4000 Watt fixture.

City Moving 4000 is the perfect combination of the search lighting, color lighting, intelligent lighting with high brightness, saturated chromaticity, well-proportioned and distributed lambency, flexible operation, speedy strobe which causes the entire stage and the whole square space to have the unified color change and the light beam interweaves fluctuates, fully displays the artistic pursue, manifest the light and the color harmony with great convulse.

Features

- Light source : Xenon Lamp XQ 4000.
- Optics Quartz cold type reflector dissipating treatment through dichroic infrared finishing diameter 410 mm.
- 2 model available : White or CMY color mixing.
- Motorized color wheels fitted with 7 replaceable color.
- 270°- 540° pan /tilt and Waterproof technology.
- Mechanic shutter.



PHYSICAL SPECIFICATIONS

Weight: 71 kg ; Height: 136 cm.
Width: 81 cm ; Depth: 55 cm.

City Moving 7000

City Moving 7000 has all the same perfect characteristic from 4000, with a greater power and greater lamination producing a lot greater output and make your event day more attractive. Available in 2 model of White Color or CMY Color effect fixture with the ultra bright 4000 Watt fixture.



Features

- Light source approved model : Xenon Lamp XQ 7000.
- Optics Quartz cold type reflector diameter 400 mm.
- White or CMY color mixing available.
- Motorized color wheels fitted with 7 replaceable color includes open.
- 270°- 540° pan /tilt.
- Waterproof technology.
- Electronic dimming of the lamp.
- Electronic beam shaping from spot to flood.



PHYSICAL SPECIFICATIONS

Weight: 62 kg ; Height: 82 cm.
Width: 52 cm ; Depth: 39 cm.