SpotMax[™]

AX10 **USER MANUAL**

Manual Version: 1.0 Date of Issue: 30/01/14

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Diffusors





Controlling the SpotMax[™]



IR•

RF •

DMX •

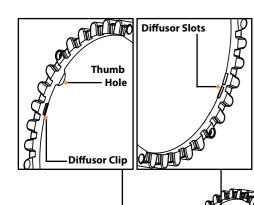
Set a color or basic effect through the control pad on the AX10's backside. Press the MENU/COLOR button and use the + and - buttons to display different colors. Confirm with the ENTER button. Press the ENTER/PROG button and use the + and - button to display different programs. Confirm with ENTER button.

Use Astera's ARC1 remote control, point at individual lights and press the desired effect. Note that the IR sensor is on the AX10 rearside although the IR signal should bounce of walls and floor.

Astera's remote control and the AsteraTouch tablet can group several lights together, address individual lights or groups of lights and send complex effects to all lights in range. For additional information refer to the manual and quick start guide of ARC2 and ARC6 at www.astera-led.com/downloads.

Connect an ART3 (Wireless DMX Transmitter) to your DMX desk to send wireless DMX signals to the AX10. You can set the AX10s DMX address on its control pad or send it from a remote control. Additionally, the AX10 can be controlled by CRMX Wireless DMX (from Lumen Radio) and W-DMX (from Wireless Solutions). For additional information refer to the ART3 manual at www.astera-led.com/downloads

Key Functions



HALF I

Contraction of the second

Due to the Powercon True1 cord, the SpotMax[™] is IP65 waterproof, even when charging. Ensure the rubber caps are closed when not charging to make it waterproof.

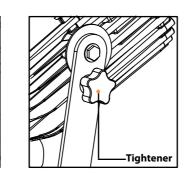
Power In

Power Out

Ø

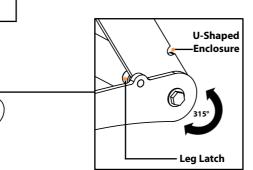
Hole for Clamp

Turn clock-wise to tighten the legs of the SpotMax[™].



The legs of the SpotMax[™] have a U-shaped enclosure to rest the leg latch into so that when closed, the legs remain together, and when open, the legs remain open. When the legs are closed, the SpotMax[™] can be carried by hand and/or placed neatly into a transportation case.

RF Antenna



NOTE: Each diffusor has its name inscribed on the edge.

For ideal illumination the text on the facia should be facing outwards.

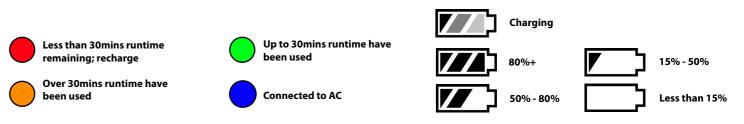
Perfect Spo Beam: 13° (without diffusor)

Beam: 32° (FLOOD diffusor

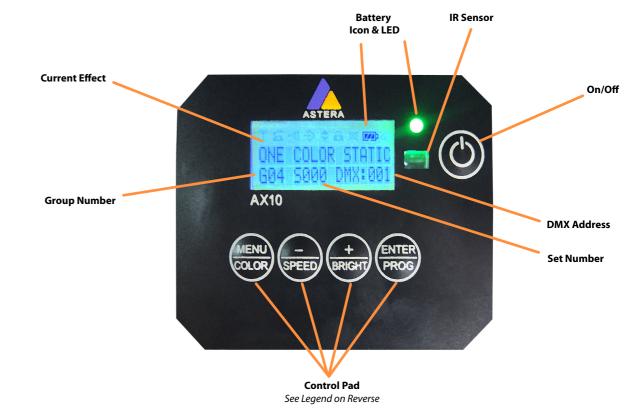
Battery Icon & Status LED

The Battery Status LED is designed for being used before an event. All fixtures should have a green Status LED to ensure that the battery lasts for your upcoming event. If it is another color, recharging is recommended.

While the battery is charging the Status LED will be blue. Also, the Battery Icon will start the charging sequence. Once the battery is fully charged the battery icon on the display will show all 3 bars (as below). If the battery is already fully charged and the power cord is plugged in, the display will show a battery with moving bars for approx. 30-60 seconds after which it will stop and the icon will show a full battery. When the SpotMaxTM is turned off and the power cord is connected, the charging process will begin. This is indicated by the LCD display turning on.



Control Panel



ATTACH

The Diffusor must be slid into the Diffusor Slots, then pressed down firmly and clipped in under the Diffusor Clip.

REMOVE

The Diffusor Clip should be pressed in, and the Diffusor Sheet should be lifted out via the thumb hole.





ASTERA Technical Data				LEG
		INPUT SELECT AUTO SETTING DMX SETTINGS GENERAL SETTINGS	INPUT SELECT WIRELESS DMX The unit uses the RF signal sent by the Wireless SMX Transmitter (ART3) REMOTE CONTROL The unit uses the RF signal sent by the ARC2 Remote Controller STANDALONE The unit ignores all incoming signals and can only be operated through its control panel AUTO The unit operates in auto mode and chooses any incoming signal	(
	RGBAW Philips LEDs, each containing	INFO FACTORY RESET	AUTO SETTINGS	PRE
15W of LED power, totalli	ng an impressive 135W LED power.		PROGRAM Chooses one of 20 pre-defined programs that can be customized by colors, intensity, power scheme, speed, fade, directions etc.	
Illuminants:	9 x 15W RGBAW Philips LEDs		INTENSITY Sets the brightness of the LEDs	
Total LED Power:	135W		SPEED Sets the speed of the programs' effects	
Light Output:	3,350 lm at 4000K		FADE Sets the fade between the program effect steps	
typical values	3,150 lm at 6500K		DIRECTION	DIRECTION Adjusts of
	3,100 lm at 7500K		CHASER SPEED Sets the speed of the color chaser	FFW+LOOP Program REV+LOOP Program
Luminous Emittance:	10,350 lx at 2m		GROUPS Assigns the light to 1 of 4 groups so they can be easily targeted	FFW Program runs in
typical values	4,700 lx at 3m		OFFSET Offset defines where the LOCAL GROUP starts. Usually this is automatically set by the light,	FWD Programs run in
	1,800 lx at 5m		depending on how many other lights are in a group	REV Programs run in
CRI:	92 at 3000K (60%-70% intensity)		CHAIN SIZE See how long the chain should become	
typical value			PCS IN CHAIN Choose the position the unit should take in the chain	
Strobe:	0-25Hz		SET SIZE Choose how long the set should become	
Beam Angle:	13° (achieved through Khatod lenses)		POS IN SET Choose the position the unit should take in the set COLOR C1 - User color 1 COLOR C2 - User color 2	DMX TAB Several dif
Battery:	Built-in Samsung battery		COLOR C3 - User color 3 COLOR C4 - User color 4	RGB S RGB S For ed
Battery Lifetime:	70% capacity after 300 full			RGB RGB S S All RC
•	charging cycles		DMX SETTINGS	EFFECT MODE MIX
Battery Runtime:	5-20 hours		DMX ADDRESS Sets the DMX address	EFFECT MODE RGB RGBAW S For each p
LED Lifetime:	50,000 hours		CHANNELS Sets the amount of channels that are used to control one unit. One RGB channel	RGB CCT DIM IND S
Working Voltage:	Input 110-240V, 50/60Hz		means that all LEDs have the same color	
Power Consumption:	170W (maximum)		DMX TAB	
Wireless Module:	868MHz (US: 902-928MHz)		DMX FAIL	
	2.4GHz wireless module			identical. W
Range:	300m / 330yds (maximum)		GENERAL SETTINGS	MULTIPLE For each
DMX Capable:	CRMX Wireless DMX (Lumen Radio)		LED POWER	••••••••••••••••••••••••••••••••••••••
	W-DMX (Wireless Solutions),		BELONGS TO SET# Assigns the light to 1 of 255 sets so they can be easily targeted	function and all
	or Wireless DMX (with ART3)		WHITE CORRECTION Turns the white correction on/off	DMX FAIL detects AC
Connector:	Neutrik Powercon True1 In/Out		WHITE CALIB RED Adds or reduces the amount of red when displaying white light WHITE CALIB GREE Adds or reduces the amount of green when displaying white light	HOLD The output rer
Housing:	Water-resistant cast aluminium		WHITE CALIB BLUE Adds or reduces the amount of blue when displaying white light	EMERGENCY LIGHT
IP Rating:	IP65		RADIO PIN Assigns a unique frequency to ensure uninterrupted use when other controllers are present	BLACKOUT LEDs tur
Relative Humidity:	0-100% (non-condensing)		AC FAILURE	AUTO PROGRAM Pl
Operating Temperatures			CONTRAST Sets the contrast of the display beween 1 and 48	
Weight:	8.15kg (18lbs)		INFO	LED POWER 3 differe
Dimensions:	L279mm x H296mm x W253mm		Serial number Firmware version	MAXIMISE RUNTIM
- · ·	L10.9" x H11.6" x W9.9"		Power-on hours RF Link	NORMAL The lights of
Environment:	Indoor / Outdoor		Temperature Radio pin	HIGH BRIGHTNESS
Features:	TruColor [™] Calibration, Temperature		Battery state Battery health	
	compensation, Dynamic		Calibration Messages	AC FAILURE Sets the
	power-boost, Auto-white &		FACTORY RESET	EMERGENCY LIGHT
In alu da d A	Auto-amber, Dual antennas.		ARE YOU SURE?	NO ACTION The play
Included Accessories:	Power Cord, 2 x Diffusor Sheets		NO YES	BLACKOUT If no AC s
Also Available:	Charging Case (holds 4)			

Menu Structure

Troubleshooting

The fixture does not start up.

It might be empty. Connect it to the AC power and try again.

The fixture starts up and the display is on but the LEDs do not emit light.

The light is probably set to BLACKOUT mode or set to display black color. Use a remote control to change the color. If this does not work, do a factory reset. The units behave incorrectly and do not display the color or effect I would like them to.

The fixture might still have a setting which was previously programmed. Do a factory reset to completely wipe all settings.

I did a factory reset and still cannot control the light.

Make sure the RADIO PIN of the fixture and controller are the same.

The units run out of battery after less than 8 hours.

To get a longer battery runtime, you can set the POWER MODE from HIGH BRIGHTNESS to NORMAL. Or you can program the fixture to display colors that take less power such as Red, Green, and Blue.

The power cable is connected but the fixture is not charging.

To protect your battery, the fixture will only charge if it is has a temperature of 45 degrees or less. Switch off the fixture and the light will cool down.

Safetv



Before you operate this unit, read the manual carefully. Always make sure to include the manual if you pass/rent/sell the unit to another user. Keep in mind that this manual cannot address all possible dangers and environments. Please use your own caution when operating.

Do not operate the unit in areas of temperature conditions or under direct sunlight. It will cause abnormal function or damage the product.

Only qualified personnel may repair this product. Do not open the product housing.

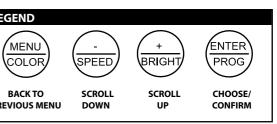


A rechargeable battery is built into this unit. Please avoid bumping or plunging, it will cause FIRE or EXPLOSION. Never store the battery when fully drained. Always recharge immediately when empty.



Make sure to fully charge all units before storing them. Partially charged batteries will lose capacity. Do not store the unit longer than 3 months without re-charging.

LEGEND MENU COLOR



direction and looping of programs' effects

ims run in normal (forward) direction. When a program finishes, it starts over ms run in reversed direction. When a program finishes, it starts over

in normal (forward) direction.

in normal (forward) direction. When a program is finished, execution is stopped n reversed direction. When a program finishes, it stops.

ifferent DMX tables can be chosen

each pixel, there are three channels RGB and one channel stroboscope

RGB channels are followed by all stroboscope channels

X The four user colors are controlled

GB The four user colors are controlled by three DMX channels

pixel 5 channels can be set individually, followed by 1 channel stroboscope

Seven channels control each pixel, apart from RGB values, the color temperature, index color, a seamless brightness control, and strobe can be set

es of strobe effects

channel is supplied for the control of the stroboscope function and all pixels' strobe will be When using this setting, DMX TAB should not be set to RGB S RGB S...

h pixel, the stroboscope can be controlled individually

turned off globally. One DMX channel is supplied for the control of the stroboscope all pixels' strobe will be identical. When using this setting, DMX TAB should not be selected

AC power loss (if plugged in)

emains unchanged, the last DMX frame is displayed **IT** I FDs turn white until AC power is restored urn dark in case of AC power loss

Plays the program set in AUTO SETTINGS > PROGRAMS

rent power schemes can be set to optimize the playback

ME The lights are less bright but battery will last up to 24hrs

s are normal brightness and battery will last at least 8hrs

S The lights are set to a brightness that is stronger than usual but will drain the battery auicklv

he behaviour when no AC signal is detected

IT If no AC signal is detected, the light turns white avback continues as before

signal is detected, all lights will turn off

The exterior surfaces of the SpotMax[™] can become hot, up to 70° C (158° F), during normal operation. Ensure that accidental physical contact with the devices is impossible. Allow all AX10 devices to cool before servicing. Use only Astera approved accessories to diffuse or modify the light beam.

Do not directly look at the light beam for long periods. It can cause harm to your eyes. Do not look into the beam at a distance of less than 0.5 meters (20 inches) from the front surface of the product, and do not look at LEDs with a magnifying glass or any other optical instrument that may concentrate the light output.

This product is for professional use only. It is not for household use.