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Epic Sky Technology - Epic AdvancedPro LED Controller (9600 8 N 1)

An 'X' at the beginning of the command represents the address of the controller.

*** 9 is a universal address - all units will respond to this address ***

Commands are repeated out the serial port to pass to the next controller or device. All commands must be terminated with a carriage return. You can use \r for this.

COMMAND	ACTION	NOTES	R	G	B	W
XredYYY	Red to YYY%		YYY			
XgreenYYY	Green to YYY%			YYY		
XblueYYY	Blue to YYY%				YYY	
XwhiteYYY	White to YYY%					YYY
Xwht1YYY	White to YYY%					YYY
Xwht2YYY	Blue to YYY%				YYY	
Xwht3YYY	Green to YYY%			YYY		
Xwht4YYY	Red to YYY%		YYY			
Xallred	R on, G & B off		100%	0%	0%	N/A
Xallgreen	G on, R & B off		0%	100%	0%	N/A
Xallblue	B on, R & G off		0%	0%	100%	N/A
Xmagenta	Magenta		100%	0%	100%	N/A
Xcyan	Cyan		0%	100%	100%	N/A
Xgold	Gold		100%	100%	0%	N/A
Xrgbwht	RGB White		100%	100%	100%	N/A
Xorange	Orange		100%	14%	0%	N/A
Xltblue	Light Blue		0%	75%	100%	N/A
Xltgreen	Light Green		0%	255%	10%	N/A
Xviolet	Violet		65%	0%	100%	N/A
Xpink	Pink		100%	0%	20%	N/A
Xrgbww	Warm White		95%	5%	45%	N/A
Xcycle	Color Cycle	Starts color cycle				
Xpause	Pause	Pauses color cycle				
Xsun	Sunset	Show - orange, gold, white				
Xocean	Tranquility	Show - blue, ltblue, ltgreen				
Xsky	Morning Sky	Show - ltblue, white				
Xroyal	Royal	Show - violet, pink				
Xusa	USA	Show - red, white, blue				
Xtwilight	Twilight	Show - violet, blue				

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COMMAND	ACTION	NOTES	R	G	B	W
Xval	Valentiness Day	Show - pink, violet, red				
Xeast	Easter	Show - pink, gold, cyan				
Xatm	Autumn	Show - orange, violet				
Xxmas	Christmas	Show, red, green				
Xparty	Mardi Gras	Show - all cycle				
Xdisco	Cool Cabaret	Show - all cycle				
Xrainbow	Rainbow	Show - all cycle				
XrampYY	Ramp time	The ramp rate of change				
XrateYY	Rate time	The speed of all shows				
Xbrt	Brighten RGB	Brightens all RGB levels by 4%				
Xbtw	Brighten White	Brightens white by 4%				
Xbtr	Brighten Red	Brightens red by 4%				
Xbtg	Brighten Green	Brightens green by 4%				
Xbtb	Brighten Blue	Brightens blue by 4%				
Xdim	Dim RGB	Dims all RGB levels by 4%				
Xdmw	Dim White	Dims white by 4%				
Xdmr	Dim Red	Dims red by 4%				
Xdmg	Dim Green	Dims green by 4%				
Xdmb	Dim Blue	Dims blue by 4%				
Xsprea	Save Preset A	Stores all 4 channel levels				
Xspreb	Save Preset B	Stores all 4 channel levels				
Xsprec	Save Preset C	Stores all 4 channel levels				
Xspred	Save Preset D	Stores all 4 channel levels				
Xspree	Save Preset E	Stores all 4 channel levels				
Xrprea	Recall Preset A	Recalls the preset (4 channels)				
Xrpreb	Recall Preset B	Recalls the preset (4 channels)				
Xrprec	Recall Preset C	Recalls the preset (4 channels)				

EPIC SKY TECHNOLOGY - Epic AdvancedPro LED Controller (9600 8 N 1)

An 'X' at the beginning of the command represents the address of the controller.

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Commands are repeated out the serial port to pass to the next controller or device.
All commands must be terminated with a carriage return. You can use \r for this.

COMMAND	ACTION	NOTES	R	G	B	W
Xstat	Query Status	Returns Status of all levels, and rates				
Xalloff	LED's off	All 4 LED channels off				
Xrgboff	RGB Off	Red, Green, and Blue Off				
globaloff	Global Off	All LED channels of, all addresses				
addr	Returns Address	Returns the controller address				

TWILIGHT WHITE LED STARS
2.95 (9600 8 N 1)

Commands are repeated out of the serial port to pass to the next controller or device.

All commands must be terminated with a carriage return. You can use \r for this.

The *E symbol means that those command values are stored in EEPROM and will load on power up

COMMAND	ACTION	NOTES	COMMAND MODE
ess	Night Sky	Night Sky in 3D perspective	Star Field
es1	Night Sky 50%	Night Sky in 3D perspective at 50% brightness	Star Field
es2	Scintillation	Scintillation	Star Field
es3	Tropical Winds	Tropical Winds - Fast Sparkle	Star Field
esr	Rain Shower	Stars in Rain Shower mode	Star Field
est	Party Mode	Stars all on with strobe/fade out pattern	Star Field
esldxxx *E	Stars on Solid	xxx is the level, 1 - 100, 100 being the brightest	Star Field
ecn	Constellation On	Solid All LED's on solid - separate than star commands	Constellation
ecsp	Constellation Sparkle	Constellations sparkle	Constellation
eco	Constellation Off	Only Constellations turn off	Constellation
eclvxxx *E	Constellation Solid Level	xxx is the level, 1 - 255, 255 is the brightest	Constellation
!	Trigger Shooting Star	Immediately trigger shooting star	Shooting Star
ssj	Shooting Star 10 Seconds	Shooting Star every 10 seconds, Adjustable via RS-232 S	hooting Star
ss1	Shooting Star 1 Minute	Shooting Star every minute	Shooting Star
ss2	Shooting Star 2 Minutes	Shooting Star every 2 minutes	Shooting Star
ss5	Shooting Star 5 Minutes	Shooting Star every 5 minutes	Shooting Star
ssz	Shooting Star 10 Minutes	Shooting Star every 10 minutes	Shooting Star
sso	Shooting Star Off	Boards in shooting star mode will turn off	Shooting Star
ssg	Shooting Star On	Shooting star on	Shooting Star
mso	Meteor Shower On	Meteor Shower mode (DIP switches must be set correctly) Default rate is every 2 minutes	Meteor
msf	Meteor Shower Off	Stops the meteor shower	Meteor
ssd	Power on Setting	Return to Power on DIP Switch Setting	All Modes
espkxxx *E	Star Sparkle Speed	Sparkle Speed, 0 - 255, default is 17, the higher the number, the slower the sparkle	Star Field
mtspxxx *E	Meteor Shower Speed	xxx is the The Speed of the Meteors in the Shower, 0 - 255, Default is 50 (higher is slower)	Meteor
mttmxxx *E	Time Between Meteors	Time in 1/10's of a second between each meteor in the shower (0-255) default is 7	Meteor
mtinxxx *E	Meteor Shower Interval	Time in seconds between meteor showers (0-255) default is 120	Meteor
mtnmxxx *E	Meteor Number	Number of meteors per shower (1-255) default is 19	Meteor
ssspxxx *E	Shooting Star Speed	xxx = 0 (fastest) to 254 (slowest), default is 40	Shooting Star
sstmxxx *E	Shooting Star Interval	Interval Between Shooting Stars in seconds, 0 - 255, Default is 10	Shooting Star
eso	Stars Off	All Stars Off	Star Field
esn	Stars On	Turns on the stars in the last mode they were in	All Modes
globaloff	All Off	All Stars off, regardless of mode	All Modes

NOTE: The Epic Star Boards will read the DIP switch setting on power up, check that the boards are in the right mode before installing in a ceiling. Commands will on work in the corresponding mode that the DIP switches are set to.

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EPIC LED STARS
DIP SWITCH SETTINGS

MODE	SWITCH 1	SWITCH 2	SWITCH 3	SWITCH 4	MODE
Night Sky	Up	Up	Up	Up	Star Field
All on 50%	Down	Up	Up	Up	Star Field
All on 25%	Up	Down	Up	Up	Star Field
Meteor Shower	Down	Down	Up	Up	Meteor
Night Sky 50%	Up	Up	Down	Up	S tar Field
Scintillation	Down	Up	Down	Up	Star Field
Tropical Winds	Up	Down	Down	Up	Star Field
Constellation Mode	Down	Down	Down	Up	Constellation
Shooting Star 10 Sec	Up	Up	Up	Down	Shooting Star
Shooting Star 1 Min	Down	Up	Up	Down	Shooting Star
Shooting Star 2 Min	Up	Down	Up	Down	Shooting Star
Shooting Star 5 Min	Down	Down	Up	Down	Shooting Star
Shooting Star 10 Min	Up	Up	Down	Down	Shooting Star
Rain Mode	Down	Up	Down	Down	Star Field
Party (Strobe) mode	Up	Down	Down	Down	Star Field
All on 100%	Down	Down	Down	Down	Star Field
NOTE:	The Epic Star Boards will read the DIP switch setting on power up, check that the boards are in the right mode before installing in a ceiling.				

EPIC LED STARS
BUTTON FUNCTIONS

BUTTON FUNCTIONS	When **Button 1** is pressed, the boards will cycle through the **6 MODES** listed below. After **MODE 6**, the board will go back to **MODE 1**. A *long press* of **Button 1** *(5 seconds)* will return the board to **MODE 1**. When **Button 2** is pressed, the board will turn off. When the board is **OFF** and **Button 1** is pressed, it will return to the last mode that it was in before it was turned off.

PROGRAM 1	PROGRAM 2	PROGRAM 3	PROGRAM 4	PROGRAM 5	PROGRAM 6
Night Sky	Solid 50%	Tropical Winds	Rain	Strobe	Solid 100%

COLOR STARS
1.0 (9600 8 N 1)

Commands are repeated out of the serial port to pass to the next controller or device.
All commands must be terminated with a carriage return. You can use \r for this.

COLOR STARS COMMANDS
1.0

COMMAND	MODE
psf	Kaleidoscope
psl	Chroma Sweep
psw	Iridescent White
psvi	Party Mode
psp	Color Wheel
psr	Red Sparkle
psg	Green Sparkle
psb	Blue Sparkle
psm	Magenta Sparkle
psc	Cyan Sparkle
psy	Gold Sparkle
psrd	Random Strobe
psld	Solid Color Mode
psdmXXX	Dim Level Command (1-100%)
pspdXXX	Sparkle Speed Command
psetXXX	Solid Color Set
pso	Off
globaloff	Stars Off
ptest	LED Test Mode

COLOR STARS BUTTON PROGRAMS
1.0

BUTTON 1 CYCLE	MODE
psf	Kaleidoscope
psl	Chroma Sweep
psw	Iridescent White
psvi	Party Mode
psp	Color Wheel
psr	Red Sparkle
psg	Green Sparkle
psb	Blue Sparkle
psm	Magenta Sparkle
psc	Cyan Sparkle
psy	Gold Sparkle
psrd	Random Strobe
Button 2	Off

COLOR STARS DIP SWITCH SETTINGS
1.0

MODE	SWITCH 1	SWITCH 2	SWITCH 3
Kaleidoscope	Up	Up	Up
Chroma Sweep	Down	Up	Up
Iridescent White	Up	Down	Up
Party Mode	Down	Down	Up
Color Wheel	Up	Up	Down
Red Sparkle	Down	Up	Down
Green Sparkle	Up	Down	Down
Blue Sparkle	Down	Down	Down
NOTE:	**DIP Switch 4 up is Full Brightness, down is Dim to 30%**		

EPIC ADDRESSABLE CONSTELLATION
1.0 (9600 8 N 1)

Commands are repeated out of the serial port to pass to the next controller or device.
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The *E symbol means that those command values are stored in EEPROM and will load on power up

COMMAND	ACTION	NOTES
Xcnr	Resume on	Resumes the last mode before being powered off
Xcnt	Night Sky	Night Sky at 100% brightness
Xcnd	Night Sky	Dim Night Sky at 50% brightness
Xcns	Scintillation	Scintillation Mode
Xcno	Constellation off	Turns the Constellation off
Xcnlxxx *E	Constellation Solid On	xxx is a value from 1 to 255 - 1 is the dimmest, while 255 is brightest.
Xcspxxx *E	Sparkle Speed	Speed delay, range is 0 to 255, 0 is the fastest, while 255 is the slowest. The default speed is 7.
globaloff	All Off	All Constellations off, regardless of address
NOTE:		When powered on, the Addressable Constellation Board will light up a number of LEDs according to the address. The address is one less than the total number of LEDs lit up.

ADDRESS	SWITCH 1	SWITCH 2	SWITCH 3
0	Up	Up	Up
1	Down	Up	Up
2	Up	Down	Up
3	Down	Down	Up
4	Up	Up	Down
5	Down	Up	Down
6	Up	Down	Down
7	Down	Down	Down
NOTE:	SWITCH 4 IS NOT USED ON THIS PRODUCT		

EPIC ADDRESSABLE LED FIREWORK
1.0 (9600 8 N 1)

Commands are repeated out of the serial port to pass to the next controller or device.
All commands must be terminated with a carriage return. You can use \r for this.
An 'X' at the beginning of the command represents the address of the controller.
*** 9 is a universal address - all units will respond to this address ***
The *E symbol means that those command values are stored in EEPROM and will load on power up

COMMAND	ACTION	NOTES
Xpfz	All	All color firework
Xpfq	Red and blue	Red and blue firework
Xpfw	White	White firework
Xsasc	Red	Red firework
Xsasd	Green	Green firework
Xsase	Blue	Blue firework
Xsaso	Magenta	Magenta firework
Xsasg	Cyan	Cyan firework
Xsasw	Gold	Gold firework
Xpfs	Sparkle	Sparkle firework
Xpfe	Boom	Quick explosion firework
Xpfh	Hue	Random hue firework
Xpfau	Auto mode	Auto mode, random fireworks
Xpfo	Firework off	Fireworks off
Xpftg	Trigger random	Firework Trigger 1 random firework
Xpfinxxx	Firework interval	Interval of firework in seconds (2 - 255) Default is 4
Xpfspxxx *E	Firework speed	Speed of firework - 0 to 255 - 0 is fastest, 255 is slowest - default is 7.
addr *E	Addressable mode	Puts firework in addressable mode - This will be set when you receive your order.
globaloff	All Off	All Fireworks off, regardless of address

NOTE:	When powered on, the Addressable Firework Board will flash all the LEDs in order, then reverse. After that, a number of LEDs will light up according to the address. The address is one less than the total number of LEDs lit up

EPIC ADDRESSABLE FIREWORK
DIP Switch Address Settings

ADDRESS	SWITCH 1	SWITCH 2	SWITCH 3
0	Up	Up	Up
1	Down	Up	Up
2	Up	Down	Up
3	Down	Down	Up
4	Up	Up	Down
5	Down	Up	Down
6	Up	Down	Down
7	Down	Down	Down

NOTE:	SWITCH 4 is TAIL MODE, UP IS OFF AND DOWN IS ON

EPIC MOON
1.3 LED CONTROLLER (9600 8 N 1)

Commands are repeated out of the serial port to pass to the next controller or device.
All commands must be terminated with a carriage return.
You can use \r for this.

FUNCTION	COMMAND
FULL MOON	emallred
YELLOW MOON	emallgreen
WOLF MOON	emgold
MOON OFF	emalloff

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RGB MINI
2.1.0 (9600 8 N 1)

Commands are repeated out of the serial port to pass to the next controller or device.
All commands must be terminated with a carriage return. You can use \r for this.

COMMAND	ACTION	NOTES	R	G	B
emallred	R on, G & B off		100%	0%	0%
emallgreen	G on, R & B off		0%	100%	0%
emallblue	B on, R & G off		0%	0%	100%
emmagenta	Magenta		100%	0%	100%
emcyan	Cyan		0%	100%	100%
emgold	Gold		100%	100%	0%
emrgbwhite	RGB White		100%	100%	100%
emorange	Orange		100%	14%	0%
emltblue	Light Blue		0%	75%	100%
emltgreen	Light Green		0%	255%	10%
emviolet	Violet		65%	0%	100%
empink	Pink		100%	0%	20%
emrgbww	WarmWhite		95%	5%	45%
emcycle	Color Cycle Starts color cycle				
empause	Pause Pauses color cycle				
emrampYY	Ramp time The ramp rate of change				
embrt	Brighten RGB Brightens all RGB levels by 4%				
embtr	Brighten Red Brightens red by 4%				
embtg	Brighten Green Brightens green by 4%				
embtb	Brighten Blue Brightens blue by 4%				
emdim	Dim RGB Dims all RGB levels by 4%				
emdmr	Dim Red Dims red by 4%				
emdmg	Dim Green Dims green by 4%				
emdmb	Dim Blue Dims blue by 4%				
emsprea	Save Preset A Stores all 3 channel levels				
emspreb	Save Preset B Stores all 3 channel levels				
emsprec	Save Preset C Stores all 3 channel levels				

COMMAND	ACTION	NOTES	R	G	B
emspred	Save Preset D	Stores all 3 channel levels			
emspree	Save Preset E	Stores all 3 channel levels			
emrprea	Recall Preset A	Recalls the preset (3 channels)			
emrpreb	Recall Preset B	Recalls the preset (3 channels)			
emrprec	Recall Preset C	Recalls the preset (3 channels)			
emrpred	Recall Preset D	Recalls the preset (3 channels)			
emrpree	Recall Preset E	Recalls the preset (3 channels)			
emalloff	LED's off	All LED channels off			

EPIC CUBE
2.1.0 (9600 8 N 1)

Commands are repeated out of the serial port to pass to the next controller or device.
All commands must be terminated with a carriage return. You can use \r for this.
Channel levels and the ramp rate are stored in EEPROM and will remain the same after a power cycle

COMMAND	ACTION	NOTES
emlzxxx	Both channel level	Set both channels to xxx percent. xxx = 1 to 100
emlaxxx	Channel A level	Set channel A to xxx percent. xxx = 1 to 100
emlbxxx	Channel B level	Set channel B to xxx percent. xxx = 1 to 100
emalla	Channel A on, B off	Channel A to 100%, channel B to 0%
emallb	Channel B on, A off	Channel B to 100%, channel A to 0%
emlon	Both Channels on	Both channels A and B to 100%
emlr	Ramp rate	xxx = 0 (fastest) to 254 (slowest), default is 4
emlta	Brighten channel A	Brighten channel A by 4%
emltb	Brighten channel B	Brighten channel B by 4%
emlu	Brighten both channels	Brighten both channels A and B by 4%
emlma	Dim channel A	Dim channel A by 4%
emlmb	Dim channel B	Dim channel B by 4%
emld	Dim both channels	Dim both channels A and B by 4%
emloff	Both channels off	Both channels to 0%
version	Version	Serial prints version information
globaloff	All Off	All Mini Lights and other connected Epic devices off

NOTE:	The Mini Lights will return to their previous state when powered on. The light levels are stored in EEPROM and will be recalled on power up

EPIC CUBE
2 Button Functions

BUTTON	FUNCTION
Button 1 Short Press	Channel A light level will go to 100%
Button 1 Long Press	Channel A light level will go to 0%
Button 1 Short Press	Channel B light level will go to 100%
Button 1 Long Press	Channel B light level will go to 0%n

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EPIC WALL SWITCH
1.7 (9600 8 N 1)

Mode Buttons & Functions

1(White Stars)   2 (Advanced) 3 (RGB Stars) 4 (Mini Lights) 5 (Stars with a Shooting Star)   6 (Epic 4 Stars)

* When the command is programmed, the corresponding BUTTON will FLASH 10 times. *
To change Switch Mode: Hold a button while powering up.

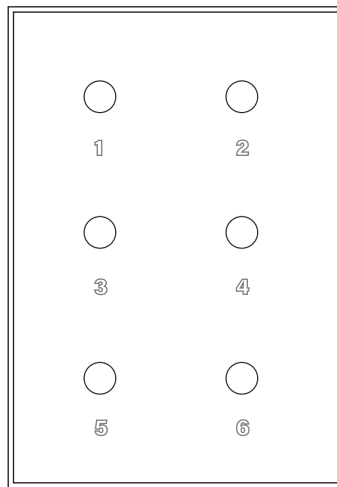| BUTTON	MODE 1 - Controlling Epic Stars	
	SHORT PRESS <1 Second	LONG PRESS <2 Second
1	Stars on solid 100%	Stars on solid 100%
2	Stars off	Stars off
3	Tropical Winds - Fast Sparkle	Tropical Winds - Fast Sparkle
4	Night Sky - 3D Perspective	Night Sky - 3D Perspective
5	Sleep Mode - Stars turn off in 60 min. Button LED will pulse	Sleep Mode - Stars turn off in 60 min. Button LED will pulse
6	Rain Shower	Rain Shower
BUTTON	MODE 2 - Controlling Epic Advanced	
	SHORT PRESS <1 Second	LONG PRESS <2 Second
1	Solid color select	Reset solid color to color 1 - Warm White
2	RGB Dim - All RGB channels dim 4%	Pauses color cycle
3	Recall solid color preset A	Save solid color preset A
4	Recall solid color preset B	Save solid color preset B
5	Show select	Reset show to show 1 - Color Cycle
6	All LED Channels off	Sleep Mode - Will turn off LEDs in 60 min. Button LED will pulse
BUTTON	MODE 3 - Controlling Epic RGB Stars	
	SHORT PRESS <1 Second	LONG PRESS <2 Second
1	Kaleidescope	Party Mode
2	Chroma Sweep	Iridescent White
3	Dim by 10%	Dim directly to 10%
4	Brighten by 10%	Brighten directly to 100%
5	Solid Color Sparkle Select	Go to color 1 sparkle (blue)
6	RGB Stars off	Sleep Mode - Will turn off LEDs in 60 min. Button LED will pulse
BUTTON	MODE 4 - Controlling Epic Mini Lights	
	SHORT PRESS <1 Second	LONG PRESS <2 Second
1	Sets Both Channels to 100%	Sets Both Channels to 100%
2	Sets Both Channels to 75%	Sets Both Channels to 75%
3	Sets Both Channels to 50%	Sets Both Channels to 50%
4	Sets Both Channels to 25%	Sets Both Channels to 25%
5	Sets Both Channels to 10%	Sets Both Channels to 10%
6	Turns Both channels off	Turns Both channels off

BUTTON	MODE 5 - Controlling Epic Stars and a Shooting Star	
	SHORT PRESS <1 Second	LONG PRESS <2 Second
1	Night Sky - 3D Perspective	Night Sky - 3D Perspective
2	Rain Shower	Rain Shower
3	Party Mode	Party Mode
4	Stars on solid 100%	Stars on solid 25%
5	Shooting Star every 10 seconds	Shooting Star every 60 seconds
6	Global Off	Sleep Mode - Will turn off Stars in 60 min. Button LED will pulse
BUTTON	MODE 6 - Controlling Epic 4 Stars and a Shooting Star	
	SHORT PRESS <1 Second	LONG PRESS <2 Second
1	Night Sky - 3D Perspective	Night Sky - 3D Perspective
2	Rain Shower	Rain Shower
3	Party Mode	Party Mode
4	Stars on solid 100%	Stars on solid 25%
5	Shooting Star every 10 seconds	Shooting Star every 60 seconds
6	Global Off	Sleep Mode - Will turn off Stars in 60 min. Button LED will pulse

ADVANCED MODES

MODES & COLOR BUTTON FUNCTIONS

**RGB STARS
SOLID COLOR MODES**

**EPIC ADVANCED
SOLID COLOR MODES**

MODE	COLOR
1	Warm White
2	White
3	Blue
4	Gold
5	Magenta
6	Light Blue
7	Violet
8	Cyan
9	Pink
10	Orange
11	Green
12	Red
13	Light Green

MODE	COLOR
1	Blue
2	Cyan
3	Magenta
4	Gold
5	Green
6	Red
7	White

**EPIC ADVANCED
SHOW MODES**

MODE	COLOR
1	Color Cycle
2	Sunset
3	Tranquility
4	Morning Sky
5	Royal
6	USA
7	Twilight
8	Valentines Day
9	Easter
10	Autumn
11	Christmas
12	Cool Cabaret
13	Rainbow